



**vegIMPACT**

*vegIMPACT Report 34*

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## Workshop Permanent Vegetable Production Systems – Cirebon, December 14, 2016

Witono Adiyoga, H. de Putter



**vegIMPACT**

Improved Vegetable Production and Marketing for small farmers to Increase the Food Security status and to promote Private Sector Development in Indonesia



*vegIMPACT is a program financed by The Netherlands' Government promoting improved vegetable production and marketing for small farmers in Indonesia, contributing to the food security status and private sector development in Indonesia. The program builds on the results of previous joint Indonesian-Dutch horticultural development cooperation projects and aligns with recent developments in the horticultural private sector and retail in Indonesia. The program activities (2012 – 2016) include the Development of Product Market Combinations, Strengthening the Potato Sector, Development of permanent Vegetable Production Systems, Knowledge Transfer and Occupational Health.*

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# Workshop Permanent Vegetable Production Systems – Cirebon, December 14, 2016

Witono Adiyoga, H. de Putter

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## 1. Introduction

As a consequence of a growing population, increasing income levels and more awareness of the nutritional value of food, the demand for vegetables in Indonesia is likely to increase. The vegetable production area, especially in the lowlands of Indonesia, is threatened by the rapid conversion of agricultural to non-agricultural land. The increasing demand for vegetables and decreasing availability of productive land are two conflicting developments that needs to be addressed by increasing the vegetable production per unit land, especially at Java, where the majority of the vegetables are produced and farmers face increasing land scarcity. The introduction of permanent vegetable production system, i.e. cropping systems without rice in the rotation, is an option to increase the vegetable production and to meet the increasing demand for vegetables at Java.

VegIMPACT, short for 'vegetable production and marketing with impact', is a research and development program aimed at improving vegetable production and marketing of small vegetable farmers in Indonesia. As part of this program the Indonesian Vegetable Research Institute (IVEGRI) and Wageningen University & Research (WUR), the Netherlands in cooperation with the Food Security and Extension Agency (FS&EA) in Cirebon district have investigated the technical and economic feasibility of permanent vegetable production systems. For that purpose a multi-year field experiment was conducted in Sumber village, Sumber sub-district from July 2013 to December 2015. In the experiment information was collected regarding the agronomic and economic viability of different permanent vegetable production systems to increase vegetable production and crop income of farmers.

The introduction of permanent vegetable systems also has policy and land regulatory implications because many vegetable farmers, especially near Cirebon, are share-croppers or farmers that rent land for one or more seasons to produce vegetables. Hence, many farmers do not own the land, which is a necessity to introduce permanent vegetable systems. To investigate land ownership and dynamics in more detail a survey of the agricultural land use systems in Kabupaten Cirebon, Brebes and Pekalongan was done in 2016.

To share and discuss results of the field experiment and the land survey with farmers and experts a workshop was organized in Cirebon in December 14, 2016. This report describes the outcomes of this workshop.

## 2. Objectives and program of the workshop

1. To share information regarding permanent vegetable production system with stakeholders.
2. To identify constraints/challenges for improvements and opportunities for the development permanent vegetable production system, and formulate recommendations.

**Schedule:**

Wednesday, 14 December 2017, 09.00 – 15.00

**Venue:**

Meeting Room of the Food Security and Extension Agency  
Jalan Sunan Drajat, no. 18, Sumber – 45611

**Participants:**

Total number of participants (Annex I): 28 persons, comprising of farmers (4), extension workers (8), pest observers (6), managers/policy makers from FSEA (4), Regional Agricultural Office of Cirebon (2), Cirebon Office of Regional Planning (2), and Ewindo's Product Promoters (4).

**Program:**

|             |  |                  |
|-------------|--|------------------|
| 0830 - 0900 | Registration   | EO               |
| 0900 – 0910 | Welcome speech   | Head of FS&EA    |
| 0910 – 0920 | Opening speech   | Head of IVEGRI   |
| 0920 – 1015 | Introduction to Permanent Vegetable Production System (PVPS)   | Witono Adiyoga   |
| 1015 – 1100 | Results of Permanent Vegetable Production System Trial (rotation experiment) in Desa Sumber, Kecamatan Sumber. | Herman de Putter |
| 1100 – 1115 | Survey of agricultural land rent systems in Kabupaten Cirebon, Brebes and Pekalongan                           | Witono Adiyoga   |
| 1115 – 1215 | Group discussion session I   | Group            |
| 1215 – 1300 | Lunch break  | EO               |
| 1300 – 1430 | Group discussion session II  | Group            |
| 1430 – 1500 | Reporting discussion results   | Group            |
| 1500 – 1530 | Summarizing and closing  | Witono Adiyoga   |

### 3. Discussion

After introduction of the topic of permanent vegetable systems and presentation of the results of the field experiment in Sumber village (Annex II), the participants of the workshop were divided in three groups. Each group addressed a different theme, Group I discussed the agronomic and technical aspects of permanent vegetable systems, Group II the policy and regulatory aspects and Group III the knowledge gaps.

Group I – Agronomic/technical aspects:

- Most vegetable crops are well-adapted to the conditions of Cirebon. Hot pepper and tomato that did not grow well during the rotation experiment are grown successfully in other areas of Cirebon, for example, Pabuaran.
- Farmers are aware of the need to rotate vegetables, even though not everywhere it is common practice. In locations that are not too “shallot-minded”, such as Pabuaran and Waled, rotations are more varied (more types of vegetables used) as compared to the shallot areas Pabedilan and Gebang. This implies that Permanent Vegetable Production Systems (PVPS) are most promising in areas where farmers are more exposed and have more experience in producing various types of vegetable crops.
- In areas where rice is still very important for farmers, the potential for adoption of PVPS seems low unless PVPS are able to yield a significant higher income than rice-based vegetable systems. Some farmers have already abandoned the production of rice and produce now only shallots 3 to 5 times per year on permanent raised beds.
- Changing the surjan system (beds with ditches) to non-surjan system (beds with walking path between beds, no ditches) for particular locations (e.g. Pabuaran, Waled) is perceived to be feasible as long as alternative irrigation techniques are available. Farmers are aware that the non-surjan system may increase the area of productive land and water-use efficiency.
- Some topics that need further research as suggested by farmers:
  - Trials with high-yielding vegetable varieties and vegetable types that are not commonly grown in the area.
  - What is the most profitable shallot-based permanent vegetable cropping system (tests needed for at least a reliable number of years with year-round cultivation)?
  - What is the most sustainable shallot-based permanent vegetable cropping system in terms of improved soil structure and increased beneficial soil organisms (tests needed to be done for a reliable number of years with permanent vegetable system)?
  - Testing of irrigation techniques, for example, tape/drip irrigation, in non-surjan systems (no ditch, larger beds and more efficient water-use).

Group II – Policy or regulatory aspects:

- There is no policy/law/regulation specifically aimed at supporting the development of permanent vegetable production system. Some laws/regulations are already available to support long-term agricultural sustainability. For example:
  - Law No. 12 of 1992 about Crop Cultivation System (Undang-Undang Republik Indonesia, Nomor 12, Tahun 1992 tentang Sistem Budidaya Tanaman)
  - Government Regulation No. 6 of 1995 on Crop Protection (Peraturan Pemerintah No. 6 Tahun 1995 tentang Perlindungan Tanaman)
  - Minister of Agriculture Decree No. 887/Kpts/ OT/9/1997 on Guidance of Pest and Disease Control (Keputusan Menteri Pertanian No. 887/Kpts/ OT/9/1997 tentang Pedoman Pengendalian OPT)
  - Minister of Agriculture Decree No. 390/Kpts/TP.600/5/1994 on the Implementation of Integrated Pest Management National Program (Surat Keputusan Menteri Pertani-an,

- Nomor: 390/Kpts/TP.600/5/1994 tentang Penyelenggaraan Program Nasional Pengendalian Hama Terpadu)
- Law No. 41 of 2009 on The Protection of Agricultural Land for Sustainable Food (Undang-Undang Republik Indonesia Nomor 41 Tahun 2009 tentang Perlindungan Lahan Pertanian Pangan Berkelanjutan).
  - Most participants suggest, however, that the enforcement of those policies/laws/regulations at the field level is still very weak. For example, the Law No. 41 of 2009 on The Protection of Agricultural Land for Sustainable Food is intended to legally maintain/protect the size of productive agricultural land, but data show that the conversion of productive agricultural land to non-agricultural use steadily continues.
  - Regulations regarding integrated pest management (IPM) are not enforced. Many studies on vegetable production show the excessive use and misuse of pesticides in different parts of Indonesia. Farmers are unwilling to use IPM because there is no price incentive for producing vegetables using IPM, while they face higher production risks by applying IPM.
  - Most participants suggest that all policies/laws/regulation should be completed with practical explanations at the farm level. Educate farmers with reward and punishment system for compliance and non-compliance, respectively.
  - Based on the results of rotation trial in Cirebon, there is no need for specific policy/law/regulation to encourage farmers to adopt the PVPS yet.

Group III – Knowledge gap aspects:

- Information regarding sustainable agriculture, especially in English, is widely available and easily accessible. However, information in Bahasa Indonesia is still limited. Furthermore, this information is often too scientific and not aimed at farmers' practice. For example, farmers' training material about integrated crop management and IPM has only come available after vegIMPACT activities in the area. Extension workers and pest observers really appreciate the training manuals that have been distributed so that they can provide follow-up farmers' training in their own "language".
- The discussion actually does not reveal much about the farmers' knowledge gap regarding the adoption of agricultural sustainable practices. Farmers tend to give impressions that they have sufficient knowledge regarding sustainable agriculture. Only based on field observations and interactions with farmers' knowledge gaps on the sustainable agricultural practices can be identified. There should be massive efforts from extension workers, pest observers and other stakeholders to identify these gaps and to provide extension aimed at filling these gaps.

## 4. Workshop synthesis

The potential for adoption of Permanent Vegetable Production System is promising because continuous production of vegetables is not completely new for some areas in Cirebon. Some farmers in Waled and Pabuaran produce several types of vegetables in a rotation on permanent raised bed systems. Further testing of high-yielding vegetable varieties, rotation and irrigation systems, and more on-farm trainings may enhance the adoption of PVPS.

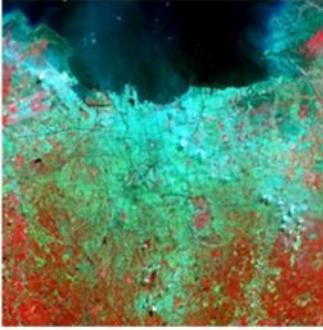
## 5. Annex I: Workshop Attendance List

| No | Name                    | Occupation                      |
|----|-------------------------|---------------------------------|
| 1  | Sanusi, AMD             | Penyuluh Pertanian              |
| 2  | H. Emon Sulaiman, S.PKP | Penyuluh Pertanian              |
| 3  | Fajar Susila            | Penyuluh Pertanian              |
| 4  | Wahyudin                | POPT                            |
| 5  | Maman Aris. M           | Koord. POPT                     |
| 6  | Mustawa. As             | POPT                            |
| 7  | Arga. W. Pradana        | Teknisi Program/YBTS            |
| 8  | H. Darmu                | KTNA                            |
| 9  | Acum. K                 | Penyuluh Pertanian              |
| 10 | Supriadi                | Penyuluh Pertanian              |
| 11 | M. Ibnan. S             | PPT Metodologi dan Teknologi    |
| 12 | Yulius Danu Setyawan    | Penyuluh Pertanian              |
| 13 | Carya                   | Ketua Kelompok Tani             |
| 14 | Ahmad Lani              | Ketua Kelompok Tani             |
| 15 | Oong Sugiono            | Penyuluh Pertanian              |
| 16 | Novi Sugesti            | Penyuluh Pertanian              |
| 17 | Siti Asiyah             | Kasubid Horti Dinas Pertanian   |
| 18 | Diah Ekawati. S.Y       | Penyuluh Pertanian              |
| 19 | Dangi                   | Kabid LUH TPH BKP5K             |
| 20 | Mohamad Heriyanto       | PPL                             |
| 21 | Khumaedi                | Ketua Kelompok Tani             |
| 22 | Joko Sugiharto          | Teknisi Litkayasa               |
| 23 | Toto Sunarto            | Penyuluh Pertanian              |
| 24 | Yunus Efendi            | Penyuluh Pertanian              |
| 25 | Durahman                | Ka. Sie Sayuran Dinas Pertanian |
| 26 | Herman. H               | Kabid Horti Dinas Pertanian     |
| 27 | Deby Budiman            | East West Seed Indonesia        |
| 28 | Maryoto                 | East West Seed Indonesia        |
| 29 | Dede Suhada             | East West Seed Indonesia        |
| 30 | Moh. Toha               | Penyuluh Pertanian              |
| 31 | Titi. H                 | Penyuluh Pertanian              |
| 32 | Etik P                  | Penyuluh Pertanian              |

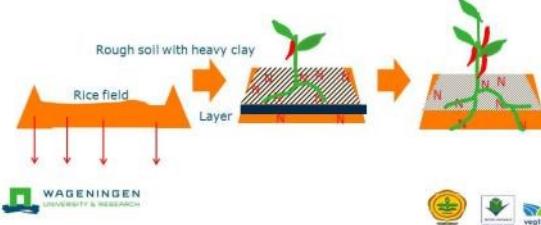
|    |                    |                          |
|----|--------------------|--------------------------|
| 33 | Sri Rahmawati      | Penyuluhan Pertanian     |
| 34 | Jaja. M            | Penyuluhan Pertanian     |
| 35 | Dede Rustaman      | Penyuluhan Pertanian     |
| 36 | Ning Alfiyah       | BAPPEDA                  |
| 37 | Arga Wisnu Pradana | East West Seed Indonesia |

## 6. Annex II: Presentations held at the workshop

### Introduction to Permanent Vegetable Production System (PVPS)

|  <p><b>SISTEM PRODUKSI SAYURAN PERMANEN</b><br/><b>PERMANENT VEGETABLE PRODUCTION SYSTEMS</b></p> <p> Improved Vegetable Production and Marketing for Small Farmers to Increase the Food Security Status and to Promote Private Sector Development in Indonesia (Veg-IMPACT)</p> <p></p>   | <p><b>Produksi sayuran di lapangan (open field)</b></p> <ul style="list-style-type: none"> <li>Sayuran adalah sub-sektor yang memberikan kontribusi terbesar untuk produksi hortikultura</li> <li>Sub-sektor ini menciptakan kesempatan kerja dan pendapatan per hektar yang lebih tinggi dibanding usahatani-usahatani lainnya</li> <li>Agribisnis sayuran merupakan sumber pendapatan tunai bagi petani karena memiliki beberapa keunggulan, diantaranya nilai jual tinggi, spesies/jenis yang sangat beragam, memungkinkan diusahakan di lahan relatif sempit serta memiliki potensi permintaan tinggi di pasar domestik/ekspor</li> <li>Sayuran memegang bagian terpenting dalam keseimbangan pangan, sehingga harus tersedia setiap saat dalam jumlah yang cukup, mutu yang baik, aman dan murah, harga yang terjangkau, serta dapat diakses oleh masyarakat luas.</li> </ul>    |         |        |                     |                     |  |      |         |      |       |           |        |        |        |        |         |           |        |        |        |        |         |         |        |        |        |        |        |       |        |        |       |        |        |  |
|---|--|---------|--------|---------------------|---------------------|--|------|---------|------|-------|-----------|--------|--------|--------|--------|---------|-----------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|-------|--------|--------|-------|--------|--------|--|
| <p><b>Sayuran itu penting!</b></p> <p><b>Mencegah defisiensi nutrisi/gizi</b></p> <ul style="list-style-type: none"> <li>Vitamin A – kebutaan</li> <li>Vitamin C – imunitas</li> <li>Iron – produktivitas, keragaan di sekolah</li> <li>Zinc – pertumbuhan yang terhambat</li> </ul> <p></p>    | <p><b>Daerah/area produksi sayuran</b></p> <p>Dipengaruhi/ditetapkan oleh tanah, air, jarak ke pasar, sejarah dan tradisi</p>  <p>1 = Puncak<br/>2 = Lembang<br/>3 = Garut<br/>4 = Cirebon/Pekalongan<br/>5 = Wonosobo/Dieng<br/>6 = Magelang<br/>7 = Blitar<br/>8 = Batu/Tengger<br/>9 = Probolinggo<br/>10 = Jember<br/>Surabaya</p> <p></p>    |         |        |                     |                     |  |      |         |      |       |           |        |        |        |        |         |           |        |        |        |        |         |         |        |        |        |        |        |       |        |        |       |        |        |  |
| <p><b>Beberapa sayuran penting</b></p> <table border="1"> <thead> <tr> <th colspan="4">Daerah penghasil utama sayur-sayuran di Jawa (ha)</th> <th>Indonesia 2014 (ha)</th> </tr> <tr> <th></th> <th>West</th> <th>Central</th> <th>East</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Bw. merah</td> <td>12.532</td> <td>46.233</td> <td>30.652</td> <td>89.417</td> <td>120.704</td> </tr> <tr> <td>Cb. merah</td> <td>16.901</td> <td>25.322</td> <td>13.868</td> <td>56.091</td> <td>128.734</td> </tr> <tr> <td>Kentang</td> <td>11.618</td> <td>17.778</td> <td>11.277</td> <td>40.673</td> <td>76.291</td> </tr> <tr> <td>Kubis</td> <td>13.287</td> <td>18.031</td> <td>7.979</td> <td>39.297</td> <td>63.116</td> </tr> </tbody> </table>   | Daerah penghasil utama sayur-sayuran di Jawa (ha)  |         |        |                     | Indonesia 2014 (ha) |  | West | Central | East | Total | Bw. merah | 12.532 | 46.233 | 30.652 | 89.417 | 120.704 | Cb. merah | 16.901 | 25.322 | 13.868 | 56.091 | 128.734 | Kentang | 11.618 | 17.778 | 11.277 | 40.673 | 76.291 | Kubis | 13.287 | 18.031 | 7.979 | 39.297 | 63.116 | <p><b>Urbanisasi.....Jakarta</b></p>  <p>1976: 6,000,000<br/>1989: 9,000,000<br/>2004: 13,000,000</p> <p></p>  |
| Daerah penghasil utama sayur-sayuran di Jawa (ha)   |  |         |        | Indonesia 2014 (ha) |                     |  |      |         |      |       |           |        |        |        |        |         |           |        |        |        |        |         |         |        |        |        |        |        |       |        |        |       |        |        |  |
|   | West   | Central | East   | Total               |                     |  |      |         |      |       |           |        |        |        |        |         |           |        |        |        |        |         |         |        |        |        |        |        |       |        |        |       |        |        |  |
| Bw. merah   | 12.532   | 46.233  | 30.652 | 89.417              | 120.704             |  |      |         |      |       |           |        |        |        |        |         |           |        |        |        |        |         |         |        |        |        |        |        |       |        |        |       |        |        |  |
| Cb. merah   | 16.901   | 25.322  | 13.868 | 56.091              | 128.734             |  |      |         |      |       |           |        |        |        |        |         |           |        |        |        |        |         |         |        |        |        |        |        |       |        |        |       |        |        |  |
| Kentang   | 11.618   | 17.778  | 11.277 | 40.673              | 76.291              |  |      |         |      |       |           |        |        |        |        |         |           |        |        |        |        |         |         |        |        |        |        |        |       |        |        |       |        |        |  |
| Kubis   | 13.287   | 18.031  | 7.979  | 39.297              | 63.116              |  |      |         |      |       |           |        |        |        |        |         |           |        |        |        |        |         |         |        |        |        |        |        |       |        |        |       |        |        |  |

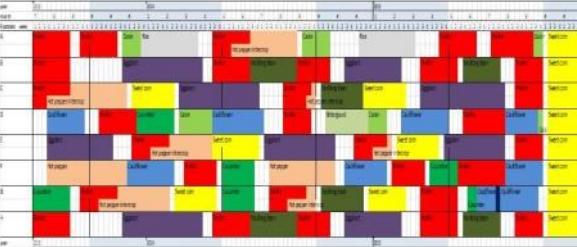
| Perkembangan saat ini  | Konsumsi dan ketersediaan beberapa jenis sayuran   |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
|--|--|------------|-------------|-------------|-------|-------------|-------------|-------------|---------------|-----------|-----------|-------|-------------------|-----------|-----------|------|--|---------------------|-------|-------|-------------|------------|------------|------|--|-------------------------|------|------|-------------|-----------|-----------|-------|------|----------|--|--|---------------------------------------|------------|------------|--------|---|---------------------|-------|-------|-------|-------|-------|-------|--|-------------------------|------|------|------|------|------|--|------|---------|--|--|--|--|--|--|--|---------------------|-------|-------|-------|-------|-------|-------|--|-------------------------|------|------|------|------|------|--|------|-------|--|--|--|--|--|--|--|---------------------|-------|-------|-------|-------|-------|------|--|-------------------------|------|------|------|------|------|--|-------|
| <ul style="list-style-type: none"> <li>▪ Pertumbuhan penduduk dan urbanisasi berkorelasi positif dengan peningkatan permintaan sayuran yang diproduksi secara komersial           <ul style="list-style-type: none"> <li>• Pertumbuhan penduduk</li> <li>• Urbanisasi (50%)</li> <li>• Peningkatan pendapatan</li> </ul> </li> <li>▪ Di daerah-daerah dataran rendah dan medium, laju konversi permanfaatan lahan pertanian untuk kegiatan-kegiatan non-pertanian telah mengurangi ketersediaan lahan produktif yang sebenarnya dapat dikembangkan menjadi sentra-sentra produksi sayuran           <ul style="list-style-type: none"> <li>• Perluasan/ekspansi kota</li> <li>• Konstruksi jalan</li> <li>• Perkembangan industri</li> </ul> </li> </ul>   | <table border="1"> <thead> <tr> <th></th><th>2011</th><th>2012</th><th>2013</th><th>2014</th><th>2015</th><th>Pertumb (%)</th><th>Pertumb (%)</th></tr> </thead> <tbody> <tr> <td>Bw merah</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Konsumsi per kapita</td><td>2,362</td><td>2,764</td><td>2,065</td><td>2,487</td><td>2,711</td><td>5,30</td><td></td></tr> <tr> <td>Ketersediaan per kapita</td><td>2,77</td><td>2,54</td><td>2,51</td><td>2,61</td><td>3,05</td><td></td><td>2,86</td></tr> <tr> <td>Cb merah</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Konsumsi per kapita</td><td>2,967</td><td>3,269</td><td>2,894</td><td>2,931</td><td>5,944</td><td>25,70</td><td></td></tr> <tr> <td>Ketersediaan per kapita</td><td>5,73</td><td>6,39</td><td>6,84</td><td>7,07</td><td>7,63</td><td></td><td>7,47</td></tr> <tr> <td>Kentang</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Konsumsi per kapita</td><td>1,564</td><td>1,460</td><td>1,564</td><td>1,476</td><td>2,294</td><td>12,57</td><td></td></tr> <tr> <td>Ketersediaan per kapita</td><td>4,27</td><td>4,04</td><td>4,56</td><td>4,60</td><td>5,31</td><td></td><td>5,95</td></tr> <tr> <td>Kubis</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Konsumsi per kapita</td><td>4,238</td><td>4,224</td><td>3,963</td><td>4,087</td><td>4,432</td><td>0,75</td><td></td></tr> <tr> <td>Ketersediaan per kapita</td><td>1,42</td><td>1,42</td><td>1,26</td><td>1,20</td><td>1,23</td><td></td><td>-3,44</td></tr> </tbody> </table> |            | 2011        | 2012        | 2013  | 2014        | 2015        | Pertumb (%) | Pertumb (%)   | Bw merah  |           |       |                   |           |           |      |  | Konsumsi per kapita | 2,362 | 2,764 | 2,065       | 2,487      | 2,711      | 5,30 |  | Ketersediaan per kapita | 2,77 | 2,54 | 2,51        | 2,61      | 3,05      |       | 2,86 | Cb merah |  |  |                                       |            |            |        |   | Konsumsi per kapita | 2,967 | 3,269 | 2,894 | 2,931 | 5,944 | 25,70 |  | Ketersediaan per kapita | 5,73 | 6,39 | 6,84 | 7,07 | 7,63 |  | 7,47 | Kentang |  |  |  |  |  |  |  | Konsumsi per kapita | 1,564 | 1,460 | 1,564 | 1,476 | 2,294 | 12,57 |  | Ketersediaan per kapita | 4,27 | 4,04 | 4,56 | 4,60 | 5,31 |  | 5,95 | Kubis |  |  |  |  |  |  |  | Konsumsi per kapita | 4,238 | 4,224 | 3,963 | 4,087 | 4,432 | 0,75 |  | Ketersediaan per kapita | 1,42 | 1,42 | 1,26 | 1,20 | 1,23 |  | -3,44 |
|  | 2011   | 2012       | 2013        | 2014        | 2015  | Pertumb (%) | Pertumb (%) |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Bw merah   |  |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Konsumsi per kapita  | 2,362  | 2,764      | 2,065       | 2,487       | 2,711 | 5,30        |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Ketersediaan per kapita  | 2,77   | 2,54       | 2,51        | 2,61        | 3,05  |             | 2,86        |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Cb merah   |  |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Konsumsi per kapita  | 2,967  | 3,269      | 2,894       | 2,931       | 5,944 | 25,70       |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Ketersediaan per kapita  | 5,73   | 6,39       | 6,84        | 7,07        | 7,63  |             | 7,47        |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Kentang  |  |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Konsumsi per kapita  | 1,564  | 1,460      | 1,564       | 1,476       | 2,294 | 12,57       |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Ketersediaan per kapita  | 4,27   | 4,04       | 4,56        | 4,60        | 5,31  |             | 5,95        |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Kubis  |  |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Konsumsi per kapita  | 4,238  | 4,224      | 3,963       | 4,087       | 4,432 | 0,75        |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Ketersediaan per kapita  | 1,42   | 1,42       | 1,26        | 1,20        | 1,23  |             | -3,44       |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
|  <b>Penggunaan lahan pertanian di Indonesia 2013 - 2014</b>   |   |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| <table border="1"> <thead> <tr> <th></th><th>2013</th><th>2014</th><th>Pertumb (%)</th></tr> </thead> <tbody> <tr> <td>Sawah</td><td>8.128.499</td><td>8.114.829</td><td>-0,17</td></tr> <tr> <td>Sawah irigasi</td><td>4.817.170</td><td>4.760.580</td><td>-1,17</td></tr> <tr> <td>Sawah non-irigasi</td><td>3.311.329</td><td>3.354.249</td><td>1,30</td></tr> <tr> <td> </td><td> </td><td> </td><td> </td></tr> <tr> <td>Tegal/kebun</td><td>11.838.770</td><td>12.011.952</td><td>1,46</td></tr> <tr> <td> </td><td> </td><td> </td><td> </td></tr> <tr> <td>Ladang/huma</td><td>5.123.625</td><td>5.021.954</td><td>-1,98</td></tr> <tr> <td> </td><td> </td><td> </td><td> </td></tr> <tr> <td>Lahan yang sementara tidak diusahakan</td><td>14.162.875</td><td>11.679.611</td><td>-17,53</td></tr> </tbody> </table>   |  | 2013       | 2014        | Pertumb (%) | Sawah | 8.128.499   | 8.114.829   | -0,17       | Sawah irigasi | 4.817.170 | 4.760.580 | -1,17 | Sawah non-irigasi | 3.311.329 | 3.354.249 | 1,30 |  |                     |       |       | Tegal/kebun | 11.838.770 | 12.011.952 | 1,46 |  |                         |      |      | Ladang/huma | 5.123.625 | 5.021.954 | -1,98 |      |          |  |  | Lahan yang sementara tidak diusahakan | 14.162.875 | 11.679.611 | -17,53 |  <p>■ Peningkatan permintaan sayuran dan penurunan ketersediaan lahan produksi, terutama di Jawa, telah menimbulkan tekanan/desakan pada petani untuk meningkatkan produksi di hamparan lahan yang sama.</p> <p>■ Di dataran rendah, intensifikasi budidaya sayuran di lahan sama dan ukuran sempit dapat menimbulkan masalah-masalah yang berkaitan dengan keberlajutan usahatani, misalnya:</p> <ul style="list-style-type: none"> <li>● Budidaya satu spesies tanaman tertentu beberapa kali secara berturut-turut (misalnya: penanaman bawang merah 3-4 kali/tahun)</li> <li>● Budidaya sayuran sebagai rotasi tanaman setelah padi yang melibatkan pengolahan tanah berat (<i>heavy tillage</i>)</li> </ul> |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
|  | 2013   | 2014       | Pertumb (%) |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Sawah  | 8.128.499  | 8.114.829  | -0,17       |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Sawah irigasi  | 4.817.170  | 4.760.580  | -1,17       |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Sawah non-irigasi  | 3.311.329  | 3.354.249  | 1,30        |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
|  |  |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Tegal/kebun  | 11.838.770   | 12.011.952 | 1,46        |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
|  |  |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Ladang/huma  | 5.123.625  | 5.021.954  | -1,98       |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
|  |  |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| Lahan yang sementara tidak diusahakan  | 14.162.875   | 11.679.611 | -17,53      |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
|   |   |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
| <p><b>Tekanan terhadap produsen untuk meningkatkan intensifikasi produksi atau meningkatkan luas lahan produksi</b></p> <ul style="list-style-type: none"> <li>▪ Meningkatkan produktivitas (produksi per unit lahan) (kg/ha)           <ul style="list-style-type: none"> <li>● Varietas unggul baru, perbaikan pengendalian hama penyakit, perbaikan pemupukan dan irigasi!</li> </ul> </li> <li>▪ Menciptakan rantai pasok yang lebih efisien           <ul style="list-style-type: none"> <li>● Petani kombinasi produk baru – pasar, pedagang dan eceran yang diarahkan untuk pengembangan rantai nilai</li> </ul> </li> <li>▪ Meningkatkan area produksi melalui sistem produksi sayuran permanen           <ul style="list-style-type: none"> <li>● 1 sayuran + 2, 3 tanaman pangan menjadi 3 atau 4 tanaman sayuran per tahun</li> <li>● Pengembangan sistem produksi usahatani sayuran yang baru</li> </ul> </li> <li>▪ Mencari daerah/area produksi sayuran yang baru           <ul style="list-style-type: none"> <li>● Identifikasi tanah yang cocok, air, pasar</li> <li>● Tidak ada tradisi lokal, pengetahuan lokal</li> <li>● Langkah awal baru dapat dilakukan</li> <li>● Keuntungan sayuran &gt; tanaman pangan</li> </ul> </li> </ul> | <p><b>Lingkungan produksi (production circumstances) sayuran saat ini</b></p> <ul style="list-style-type: none"> <li>▪ Ukuran lahan usahatani &lt; 0,3 ha</li> <li>▪ Petani memiliki dan menyewa lahan (bagi hasil atau sewa)</li> <li>▪ Pada umumnya operasi berskala kecil</li> <li>▪ Pemasaran volume yang kecil dan bergantung pada pedagang perantara</li> <li>▪ Volume penggunaan dan biaya pestisida yang tinggi</li> <li>▪ Khususnya di dataran tinggi, kondisi ekologisnya sangat rawan/rentan</li> </ul>   |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |
|   |   |            |             |             |       |             |             |             |               |           |           |       |                   |           |           |      |  |                     |       |       |             |            |            |      |  |                         |      |      |             |           |           |       |      |          |  |  |                                       |            |            |        |   |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |         |  |  |  |  |  |  |  |                     |       |       |       |       |       |       |  |                         |      |      |      |      |      |  |      |       |  |  |  |  |  |  |  |                     |       |       |       |       |       |      |  |                         |      |      |      |      |      |  |       |

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| <p><b>Dataran rendah Jawa di sebelah timur Cirebon</b></p> <ul style="list-style-type: none"> <li>▪ Budidaya sayuran sangat intensif</li> <li>▪ Pengusahaan sayuran di lahan/petak yang sama rata-rata selama setahun</li> <li>▪ Ukuran lahan sempit</li> <li>▪ Masalah keberlanjutan           <ul style="list-style-type: none"> <li>• Penanaman jenis sayuran yang sama terus menerus di lahan yang sama (misalnya bawang merah 3-4 kali setahun)</li> <li>• Rotasi dengan padi sawah yang melibatkan pengolahan tanah berat</li> </ul> </li> </ul>  <p><b>WAGENINGEN</b><br/>UNIVERSITY &amp; RESEARCH</p>                   | <p><b>Situasi pada saat ini di dataran rendah Jawa (Cirebon)</b></p> <ul style="list-style-type: none"> <li>▪ Tanaman           <ul style="list-style-type: none"> <li>• Bawang merah (tanaman utama)</li> <li>• Jagung manis</li> <li>• Padi</li> </ul> </li> <li>▪ Rotasi           <ul style="list-style-type: none"> <li>• Petani cenderung hanya menanam satu jenis tanaman</li> <li>• Berpindah lahan setiap tahun</li> <li>• Padi atau tebu</li> </ul> </li> </ul>    |
| <ul style="list-style-type: none"> <li>▪ Sistem produksi sayuran secara permanen (permanent vegetable production system) merupakan alternatif yang dapat ditawarkan untuk mengurangi masalah-masalah keberlanjutan jangka panjang.</li> <li>▪ Permanen berarti bedeng-bedeng yang dirancang untuk ditanami sayuran secara permanen – terus menerus (tidak diselingi oleh padi).</li> <li>▪ Sistem ini menggunakan pengolahan tanah minimal (<i>minimum tillage</i>) dan dalam jangka panjang dapat memperbaiki stabilitas struktur tanah serta berpeluang lebih tinggi untuk meningkatkan produktivitas.</li> </ul>  <p>15</p> | <p><b>Manfaat / Risiko Sayuran Permanen</b></p> <ul style="list-style-type: none"> <li>▪ Meningkatkan produksi sayuran           <ul style="list-style-type: none"> <li>• Intensifikasi</li> <li>• Peningkatan produktivitas</li> </ul> </li> <li>▪ Tenaga kerja</li> <li>▪ Pendapatan lebih tinggi</li> <li>▪ Penggunaan pupuk dan pestisida yang efisien</li> <li>▪ Meningkatkan peluang penyakit tular tanah?</li> <li>▪ Tidak lagi menggunakan padi sawah sebagai tanaman rotasi</li> </ul>    |
| <p><b>Sistem bedengan secara kontinyu</b></p> <ul style="list-style-type: none"> <li>▪ Struktur tanah yang lebih baik</li> <li>▪ Kehilangan unsur hara dan bahan organik lebih sedikit</li> <li>▪ Kebutuhan tenaga kerja lebih sedikit</li> <li>▪ Menumpuknya penyakit tular tanah?</li> </ul>  <p><b>WAGENINGEN</b><br/>UNIVERSITY &amp; RESEARCH</p>   | <p><b>Mengapa lebih efisien?</b></p> <ul style="list-style-type: none"> <li>▪ Tanah lempung/liat berat</li> <li>▪ Pelumpuran padi sawah           <ul style="list-style-type: none"> <li>• Kehilangan unsur hara</li> <li>• Kehilangan bahan organik (karbon)</li> <li>• Kehilangan/memburuknya struktur tanah</li> </ul> </li> <li>▪ Setelah pembuatan bedeng           <ul style="list-style-type: none"> <li>• Gumpalan lempung berat</li> <li>• Penyerapan unsur hara yang buruk</li> </ul> </li> <li>▪ Lahan/tanah bekas tebu lebih subur menurut pengamatan petani</li> </ul>  |

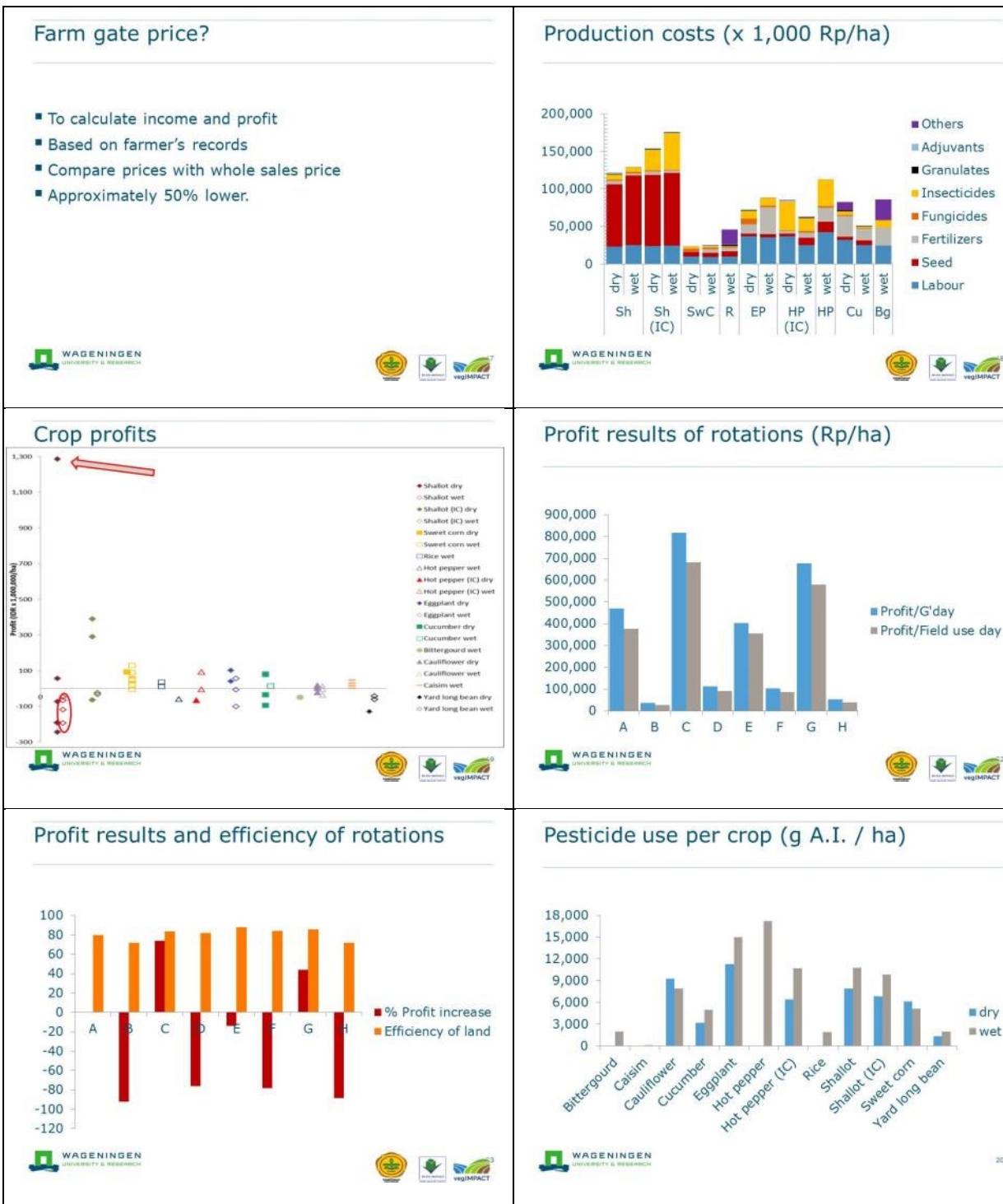
|  |   |
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| <p><b>Titik-titik awal/berangkat(hipotesis):</b></p> <ul style="list-style-type: none"> <li>■ Produksi sayuran permanen (sistem bedeng) dapat mengurangi masalah-masalah keberlanjutan (<i>sustainability</i>) dalam jangka panjang.</li> <li>■ Pengolahan tanah minimum dapat memperbaiki stabilitas struktur tanah dan akan mengarah pada peningkatan produktivitas.</li> </ul> <p></p> <p>  </p> <p></p> | <p><i>Terima kasih</i></p>  |
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Results of Permanent Vegetable Production System Trial (rotation experiment) in Desa Sumber, Kecamatan Sumber.

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|---|--|
| <p><b>Permanent vegetable system</b></p> <p>Putting it to test: Agronomy and economy</p> <p>December 2016</p> <p>Herman de Putter and Witono Adiyoga</p>  <p>   </p>   | <p><b>Starting points (hypotheses):</b></p> <ul style="list-style-type: none"> <li>■ Permanent vegetable production (raised bed) can reduce long-term sustainability problems.</li> <li>■ Permanent beds means staying intact for at least several consecutive crops, in some cases indefinitely, but for more than 1 – 2 year.</li> <li>■ Minimum tillage improve soil structure stability and will lead to increased yield levels.</li> </ul> <p>   </p>   |
| <p><b>Testing in practice</b></p> <ul style="list-style-type: none"> <li>■ Objective: To test the feasibility of year round permanent vegetable cultivation systems</li> <li>■ Sumber Ior <ul style="list-style-type: none"> <li>● Babakan, Cirebon,</li> <li>● West Java</li> <li>● S -6.866883</li> <li>● E 108.739594</li> </ul> </li> <li>■ Experimental field</li> <li>■ 8 rotations</li> <li>■ Beds of 1.75 x 11 m</li> <li>■ 4 replications</li> </ul> <p></p> <p>   </p> | <p><b>Which rotation?</b></p> <ul style="list-style-type: none"> <li>■ First discussions with farmers, experts and researchers about crops that could and should be included</li> <li>■ Control: Rice – Shallot based</li> <li>■ Shallot should be part of the rotation</li> <li>■ Sweet corn as emerging crop</li> <li>■ New crops (cauliflower, European purple eggplant)</li> <li>■ Different vegetable crops (families) in a rotation</li> <li>■ Seasonality of performance</li> <li>■ Amendment of organic matter</li> </ul> <p>   </p> |

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| <h3>Test in practice</h3> <ul style="list-style-type: none"> <li>▪ Agronomy: is it possible to grow the proposed crops?</li> <li>▪ Economy: is it worthwhile to grow permanent vegetables?</li> <li>▪ Observations:           <ul style="list-style-type: none"> <li>• Soil parameters</li> <li>• Yield</li> <li>• Costs</li> <li>• NPK use</li> <li>• Pesticide use</li> </ul> </li> </ul> <p>  </p>  | <h3>The field at the start, June 2013</h3>  <p>  </p>    |
| <h3>Rotations in the test</h3> <ul style="list-style-type: none"> <li>▪ Traditional:           <ul style="list-style-type: none"> <li>• A: Rice (2x) – Shallot based (5x)</li> </ul> </li> <li>▪ Vegetable rotations           <ul style="list-style-type: none"> <li>• B: Shallot based (5x) – eggplant – bittergourd (+OM)</li> <li>• C: Shallot / Hot pepper – Sweet corn – Eggplant</li> <li>• D: Cauliflower (dry) – Shallot – Cucumber – Caisim</li> <li>• E: Eggplant – Shallot/Hot pepper – Sweet corn</li> <li>• F: Hot pepper – Cauliflower (wet) – Shallot – Cucumber</li> <li>• G: Cucumber – Shallot/Hot pepper – Sweet corn</li> <li>• H: as B but without organic matter amendment</li> </ul> </li> </ul> <p>  </p> | <h3>Rotation schedule (2.5 years)</h3>  <p>  </p> |
| <h3>The field</h3>  <p>  </p>   |  <p>  </p>                                       |

| <p><b>WAGENINGEN UNIVERSITY &amp; RESEARCH</b></p> <p><b>vegiIMPACT</b></p>   | <p><b>WAGENINGEN UNIVERSITY &amp; RESEARCH</b></p> <p><b>vegiIMPACT</b></p> |                  |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
|---|---|------------------|------------------|-------------|--------------|----------------|-------------|----------|---------|-------------|-----|-----|----------|-----|-----|----------|-----|-----|------------|----|----|-----------------|-----|-----|------|-----|-----|---------|-----|-----|--------------|-----|-----|------------|-----|-----|----------------|----|----|--|------|--------------|------------------|-------------|--------|--------------|----------------|-------------|----------|-------|--------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <p><b>WAGENINGEN UNIVERSITY &amp; RESEARCH</b></p> <p><b>vegiIMPACT</b></p>   | <p><b>WAGENINGEN UNIVERSITY &amp; RESEARCH</b></p> <p><b>vegiIMPACT</b></p> |                  |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| <p><b>Yield of the tested crops (t/ha)</b></p> <table border="1"> <thead> <tr> <th>Crop</th> <th>Dry Yield (t/ha)</th> <th>Wet Yield (t/ha)</th> </tr> </thead> <tbody> <tr> <td>Bittergourd</td> <td>~12</td> <td>~12</td> </tr> <tr> <td>Caisim</td> <td>~18</td> <td>~18</td> </tr> <tr> <td>Cauliflower</td> <td>~18</td> <td>~15</td> </tr> <tr> <td>Cucumber</td> <td>~48</td> <td>~20</td> </tr> <tr> <td>Eggplant</td> <td>~38</td> <td>~35</td> </tr> <tr> <td>Hot pepper</td> <td>~5</td> <td>~5</td> </tr> <tr> <td>Hot pepper (IC)</td> <td>~10</td> <td>~10</td> </tr> <tr> <td>Rice</td> <td>~18</td> <td>~18</td> </tr> <tr> <td>Shallot</td> <td>~12</td> <td>~10</td> </tr> <tr> <td>Shallot (IC)</td> <td>~22</td> <td>~18</td> </tr> <tr> <td>Sweet corn</td> <td>~40</td> <td>~20</td> </tr> <tr> <td>Yard long bean</td> <td>~8</td> <td>~8</td> </tr> </tbody> </table> <p><b>WAGENINGEN UNIVERSITY &amp; RESEARCH</b></p> <p><b>vegiIMPACT</b></p> | Crop  | Dry Yield (t/ha) | Wet Yield (t/ha) | Bittergourd | ~12          | ~12            | Caisim      | ~18      | ~18     | Cauliflower | ~18 | ~15 | Cucumber | ~48 | ~20 | Eggplant | ~38 | ~35 | Hot pepper | ~5 | ~5 | Hot pepper (IC) | ~10 | ~10 | Rice | ~18 | ~18 | Shallot | ~12 | ~10 | Shallot (IC) | ~22 | ~18 | Sweet corn | ~40 | ~20 | Yard long bean | ~8 | ~8 | <p><b>Price development (Kabupaten Cirebon)</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>Bawang Merah</th> <th>Beras Kualitas A</th> <th>Cabai Merah</th> <th>Caisim</th> <th>Jagung Manis</th> <th>Kacang Panjang</th> <th>Kubis Bunga</th> <th>Mentimun</th> <th>Paria</th> <th>Terung</th> </tr> </thead> <tbody> <tr> <td>2013</td> <td>~10,000</td> <td>~10,000</td> <td>~30,000</td> <td>~10,000</td> <td>~10,000</td> <td>~10,000</td> <td>~10,000</td> <td>~10,000</td> <td>~10,000</td> <td>~10,000</td> </tr> <tr> <td>2014</td> <td>~15,000</td> <td>~15,000</td> <td>~55,000</td> <td>~15,000</td> <td>~15,000</td> <td>~15,000</td> <td>~15,000</td> <td>~15,000</td> <td>~15,000</td> <td>~15,000</td> </tr> <tr> <td>2015</td> <td>~18,000</td> <td>~18,000</td> <td>~45,000</td> <td>~18,000</td> <td>~18,000</td> <td>~18,000</td> <td>~18,000</td> <td>~18,000</td> <td>~18,000</td> <td>~18,000</td> </tr> </tbody> </table> <p><b>WAGENINGEN UNIVERSITY &amp; RESEARCH</b></p> <p><b>vegiIMPACT</b></p> | Year | Bawang Merah | Beras Kualitas A | Cabai Merah | Caisim | Jagung Manis | Kacang Panjang | Kubis Bunga | Mentimun | Paria | Terung | 2013 | ~10,000 | ~10,000 | ~30,000 | ~10,000 | ~10,000 | ~10,000 | ~10,000 | ~10,000 | ~10,000 | ~10,000 | 2014 | ~15,000 | ~15,000 | ~55,000 | ~15,000 | ~15,000 | ~15,000 | ~15,000 | ~15,000 | ~15,000 | ~15,000 | 2015 | ~18,000 | ~18,000 | ~45,000 | ~18,000 | ~18,000 | ~18,000 | ~18,000 | ~18,000 | ~18,000 | ~18,000 |
| Crop  | Dry Yield (t/ha)  | Wet Yield (t/ha) |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Bittergourd   | ~12   | ~12              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Caisim  | ~18   | ~18              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Cauliflower   | ~18   | ~15              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Cucumber  | ~48   | ~20              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Eggplant  | ~38   | ~35              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Hot pepper  | ~5  | ~5               |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Hot pepper (IC)   | ~10   | ~10              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Rice  | ~18   | ~18              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Shallot   | ~12   | ~10              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Shallot (IC)  | ~22   | ~18              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Sweet corn  | ~40   | ~20              |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Yard long bean  | ~8  | ~8               |                  |             |              |                |             |          |         |             |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| Year  | Bawang Merah  | Beras Kualitas A | Cabai Merah      | Caisim      | Jagung Manis | Kacang Panjang | Kubis Bunga | Mentimun | Paria   | Terung      |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| 2013  | ~10,000   | ~10,000          | ~30,000          | ~10,000     | ~10,000      | ~10,000        | ~10,000     | ~10,000  | ~10,000 | ~10,000     |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| 2014  | ~15,000   | ~15,000          | ~55,000          | ~15,000     | ~15,000      | ~15,000        | ~15,000     | ~15,000  | ~15,000 | ~15,000     |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |
| 2015  | ~18,000   | ~18,000          | ~45,000          | ~18,000     | ~18,000      | ~18,000        | ~18,000     | ~18,000  | ~18,000 | ~18,000     |     |     |          |     |     |          |     |     |            |    |    |                 |     |     |      |     |     |         |     |     |              |     |     |            |     |     |                |    |    |  |      |              |                  |             |        |              |                |             |          |       |        |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |      |         |         |         |         |         |         |         |         |         |         |





### Conclusions

- Permanent vegetable systems could be more profitable
- Pesticide use not different from traditional systems
- Higher P2O5 and K2O use
- Labour reduction (bed making and flattening)
- Shallot highly volatile profits
- Sweet corn stable income (but low -> larger acreage needed to support household)
- Soil quality not clear
  - No increase of soil borne problems
  - Nutrient status (pH impact?)
  - Erosion of beds

### Thank you

Acknowledgments:

BKP5K (Pak Fajar Susila, Oong, Danu, Hasan, Ikhwan)

Pilot and non-pilot farmers  
(60 farmers – Pak Carya, Pak Wasir dll)

Balitsa (Tonny Moekasan, Laksminiati P., Joko Sugiharto)

Ewindo (Edwin Saragih)

Other colleagues/friends who could not be mentioned all of their names one by one.








### Survey of agricultural land rent systems in Kabupaten Cirebon, Brebes and Pekalongan



**ASPEK SOSIAL-EKONOMI SEWA LAHAN PERTANIAN DI CIREBON, BREBES DAN PEKALONGAN**

Improved Vegetable Production and Marketing for Small Farmers to Increase the Food Security Status and to Promote Private Sector Development in Indonesia (Veg-IMPACT)

|       | L>16  | L>16dut | L>16lut | L<16    | P>16    | P>16dut | P>16lut | P<16    |
|-------|-------|---------|---------|---------|---------|---------|---------|---------|
| B     | 0.200 | a 0.133 | a 0.333 | a 0.467 | a 0.800 | a 0.533 | a 1.133 | a 0.200 |
| C     | 0.438 | a 0.125 | a 0.000 | a 0.375 | a 0.938 | a 0.250 | a 0.437 | a 0.375 |
| P     | 0.400 | a 0.267 | a 0.267 | a 0.333 | a 0.733 | a 0.267 | a 1.733 | a 0.267 |
| Lsd   | 0.526 | 0.396   | 0.576   | 0.536   | 0.453   | 0.349   | 1.675   | 0.464   |
| F pr. | n.s.  | n.s.    | n.s.    | n.s.    | n.s.    | n.s.    | n.s.    | n.s.    |

Jumlah total anggota keluarga, jumlah jam laki-laki bekerja off-farm, jumlah jam perempuan bekerja off-farm, dan umur petani

|       | TotalAK | JLoff  | JPoff   | Umur    |
|-------|---------|--------|---------|---------|
| B     | 2.667   | a 16.0 | a 73.53 | a 38.40 |
| C     | 3.125   | a 0.0  | a 22.81 | a 47.38 |
| P     | 2.733   | a 12.8 | a 87.07 | a 46.87 |
| Lsd   | 0.992   | 27.63  | 89.55   | 8.591   |
| F pr. | n.s.    | n.s.   | n.s.    | <0.10   |

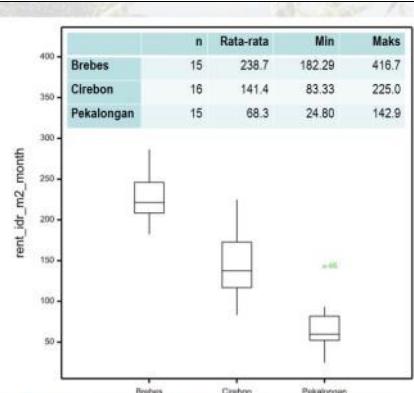
**LATAR BELAKANG:**

- VegImpact telah melakukan percobaan pendahuluan sistem permanen produksi sayuran di lapangan untuk menguji kelayakan teknis dan ekonomisnya.
- Pengkajian prospek pengembangan sistem tersebut memerlukan pemahaman yang lebih baik tentang aspek-aspek aspek-aspek sosio-budaya, ekonomi dan kelembagaan sewa lahan yang diduga dapat mempengaruhi adopsi petani
- Oleh karena itu, survei di Cirebon, Brebes dan Pekalongan dilaksanakan untuk memperoleh pendalamatan tentang aspek sosial-ekonomi sistem sewa lahan pertanian.

**METODOLOGI:**

| Lokasi     | Petani | Pemilik tanah | Kepala Desa |
|------------|--------|---------------|-------------|
| Cirebon    | 15     | 5             | 3           |
| Brebes     | 15     | 5             | 3           |
| Pekalongan | 15     | 5             | 3           |
|            | 45     | 15            | 9           |
|            |        |               | 69          |

**Tabel dan graph disamping ini menunjukkan bahwa nilai/harga sewa lahan (Rp/m<sup>2</sup>/bulan) tertinggi terjadi di Brebes, sementara itu nilai sewa terendah terjadi di Pekalongan**



| Faktor-faktor yang mempengaruhi pengambilan keputusan untuk menyewa lahan tertentu  |        |         |            |            |         | Berkeinginan untuk menyewa lahan dengan periode waktu lebih lama (2-5 tahun)? |    |       |  |  |  |
|---|--------|---------|------------|------------|---------|---|----|-------|--|--|--|
| Alasan  | Brebes | Cirebon | Pekalongan | Total skor | Ranking |   | ya | tidak |  |  |  |
| Kemudahan akses   | 4      | 7       | 4          | 15         | 4       | Brebes  | 8  | 7     |  |  |  |
| Ketersediaan air  | 9      | 13      | 6          | 28         | 1       | Cirebon   | 8  | 8     |  |  |  |
| Kesuburan tanah   | 6      | 9       | 6          | 21         | 2       | Pekalongan  | 6  | 9     |  |  |  |
| Kecukupan lauas lahan   | 1      | 6       | 2          | 9          | 6       |   |    |       |  |  |  |
| Keterjangkauan dari sisi nilai sewa   | 4      | 6       | 6          | 16         | 3       |   |    |       |  |  |  |
| Waktu penyewaan sesuai dengan rencana   | 2      | 3       | 2          | 7          | 7       |   |    |       |  |  |  |
| Tidak ada pilihan   | 6      | 4       | 5          | 15         | 4       |   |    |       |  |  |  |
| Launya (bayar sewa setelah panen, bekas bawang lebih hemat biaya pengolahan, sudah kenal baik dengan pemilik, lokasinya lebih dekat dengan lahan sendiri) | 2      | 3       | 0          | 5          | 8       |   |    |       |  |  |  |
| Total   | 34     | 51      | 31         | 116        |         |   |    |       |  |  |  |

| Badan Penelitian dan Pengembangan Pertanian Kementerian Pertanian  |      |                   | SCIENCE . INNOVATION . NETWORKS |       |                   | www.litbang.deptan.go.id |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
|--|------|-------------------|---------------------------------|-------|-------------------|--------------------------|----------------|----------------|----|------|-----|------|---------|----|---|------|-------|--|--|------|--------|-------|---|-----|------|--|----|------|--------|------|-------------------|-----|-------|--------|-------|------------|------|---|---------|-------|------|------|-------|------------|----|-------|------|--------|--|--|--|--|--|
| <ul style="list-style-type: none"> <li>Jumlah persil/petak yang disewa?</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Breb</th> <th>Cire</th> <th>Peka</th> </tr> </thead> <tbody> <tr> <td>1 persil/petak</td> <td>14</td> <td>9</td> <td>9</td> </tr> <tr> <td>2</td> <td>1</td> <td>5</td> <td>6</td> </tr> <tr> <td>3</td> <td>0</td> <td>2</td> <td>0</td> </tr> </tbody> </table> <p>Pearson chi-square test, probability 0.042 (<math>p&lt;0.05</math>), berbeda nyata</p>   |      |                   |                                 | Breb  | Cire              | Peka                     | 1 persil/petak | 14             | 9  | 9    | 2   | 1    | 5       | 6  | 3   | 0    | 2     | 0  | <ul style="list-style-type: none"> <li>Di Brebes, petani pada umumnya menyewa 1 petak lahan, sedangkan di Cirebon dan Pekalongan sekitar 35-40% petani menyewa lebih dari 1 petak lahan</li> </ul> |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
|  | Breb | Cire              | Peka                            |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 1 persil/petak   | 14   | 9                 | 9                               |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 2  | 1    | 5                 | 6                               |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 3  | 0    | 2                 | 0                               |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| <ul style="list-style-type: none"> <li>Jumlah persil/petak yang dimiliki?</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Breb</th> <th>Cire</th> <th>Peka</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>0 persil/petak</td> <td>13</td> <td>10</td> <td>8</td> <td>31</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>9</td> </tr> <tr> <td>2</td> <td>0</td> <td>2</td> <td>0</td> <td>2</td> </tr> <tr> <td>3</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td> </tr> <tr> <td>4</td> <td>0</td> <td>1</td> <td>1</td> <td>2</td> </tr> <tr> <td>5</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td> </tr> </tbody> </table> <p>Pearson chi-square test, probability 0.343 (<math>p&gt;0.05</math>), tidak berbeda nyata</p> |      |                   |                                 | Breb  | Cire              | Peka                     | Total          | 0 persil/petak | 13 | 10   | 8   | 31   | 1       | 2  | 3   | 4    | 9     | 2  | 0  | 2    | 0      | 2     | 3   | 0   | 0    | 1  | 1  | 4    | 0      | 1    | 1                 | 2   | 5     | 0      | 0     | 1          | 1    | <ul style="list-style-type: none"> <li>Jumlah petak lahan milik di tiga lokasi tidak berbeda nyata</li> <li>Sebagian besar petani (67%) tidak memiliki lahan sendiri, 20% memiliki lahan 1 petak, dan 13% petani memiliki lahan lebih dari 1 petak</li> </ul> |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
|  | Breb | Cire              | Peka                            | Total |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 0 persil/petak   | 13   | 10                | 8                               | 31    |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 1  | 2    | 3                 | 4                               | 9     |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 2  | 0    | 2                 | 0                               | 2     |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 3  | 0    | 0                 | 1                               | 1     |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 4  | 0    | 1                 | 1                               | 2     |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| 5  | 0    | 0                 | 1                               | 1     |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
|  |      |                   |                                 |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| <ul style="list-style-type: none"> <li>Menyewa lahan yang sebenarnya sedang disewa petani lain?</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Breb</th> <th>Cire</th> <th>Peka</th> </tr> </thead> <tbody> <tr> <td>Tidak</td> <td>11</td> <td>12</td> <td>15</td> </tr> <tr> <td>Ya</td> <td>4</td> <td>4</td> <td>0</td> </tr> </tbody> </table>  |      |                   |                                 | Breb  | Cire              | Peka                     | Tidak          | 11             | 12 | 15   | Ya  | 4    | 4       | 0  | <ul style="list-style-type: none"> <li>Menyewa lahan yang sedang disewa oleh petani lain tidak berbeda nyata di antara lokasi</li> <li>Hal tersebut dilakukan karena petani penyewa lahan bersangkutan membutuhkan dana tunai segera. Penyewa lahan sebelumnya ternyata broker yang telah menyewa lahan luas/banyak dan kemudian mendistribusikan ke penyewa berikutnya.</li> </ul> |      |       | <table border="1"> <thead> <tr> <th>Lokasi</th> <th>n</th> <th>Rata<sup>2</sup></th> <th>Min</th> <th>Maks</th> </tr> </thead> <tbody> <tr> <td>Brebes</td> <td>15</td> <td>1840</td> <td>800</td> <td>3200</td> </tr> <tr> <td>Cirebon</td> <td>16</td> <td>10700</td> <td>1400</td> <td>40000</td> </tr> <tr> <td>Pekalongan</td> <td>15</td> <td>3594</td> <td>350</td> <td>25600</td> </tr> <tr> <td>Lsd</td> <td></td> <td>5221</td> <td></td> <td></td> </tr> <tr> <td>F pr.</td> <td></td> <td>&lt; 0,01</td> <td></td> <td></td> </tr> </tbody> </table> |  |      | Lokasi | n     | Rata <sup>2</sup>   | Min | Maks | Brebes   | 15 | 1840 | 800    | 3200 | Cirebon           | 16  | 10700 | 1400   | 40000 | Pekalongan | 15   | 3594  | 350     | 25600 | Lsd  |      | 5221  |            |    | F pr. |      | < 0,01 |  |  | <ul style="list-style-type: none"> <li>Total luas lahan sewa per lokasi (jumlah luas lahan sewa per petani)</li> <li>Rata-rata total luas lahan sewa tertinggi adalah di Cirebon dan terendah di Brebes</li> </ul> |  |  |
|  | Breb | Cire              | Peka                            |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Tidak  | 11   | 12                | 15                              |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Ya   | 4    | 4                 | 0                               |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Lokasi   | n    | Rata <sup>2</sup> | Min                             | Maks  |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Brebes   | 15   | 1840              | 800                             | 3200  |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Cirebon  | 16   | 10700             | 1400                            | 40000 |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Pekalongan   | 15   | 3594              | 350                             | 25600 |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Lsd  |      | 5221              |                                 |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| F pr.  |      | < 0,01            |                                 |       |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| <ul style="list-style-type: none"> <li>Rata-rata luas lahan sewa per lokasi</li> </ul> <table border="1"> <thead> <tr> <th>Lokasi</th> <th>n</th> <th>Rata<sup>2</sup></th> <th>Min</th> <th>Maks</th> </tr> </thead> <tbody> <tr> <td>Brebes</td> <td>45</td> <td>1725</td> <td>800</td> <td>3200</td> </tr> <tr> <td>Cirebon</td> <td>48</td> <td>6848</td> <td>1400</td> <td>20000</td> </tr> <tr> <td>Pekalongan</td> <td>45</td> <td>2695</td> <td>350</td> <td>25000</td> </tr> </tbody> </table>  |      |                   | Lokasi                          | n     | Rata <sup>2</sup> | Min                      | Maks           | Brebes         | 45 | 1725 | 800 | 3200 | Cirebon | 48 | 6848  | 1400 | 20000 | Pekalongan   | 45   | 2695 | 350    | 25000 | <ul style="list-style-type: none"> <li>Rata-rata luas lahan sewa tertinggi adalah di Cirebon, sedangkan luas lahan milik terendah adalah di Brebes</li> </ul> |     |      | <table border="1"> <thead> <tr> <th>Lokasi</th> <th>n</th> <th>Rata<sup>2</sup></th> <th>Min</th> <th>Maks</th> </tr> </thead> <tbody> <tr> <td>Brebes</td> <td>15</td> <td>1500</td> <td>1400</td> <td>1600</td> </tr> <tr> <td>Cirebon</td> <td>16</td> <td>9077</td> <td>2500</td> <td>19200</td> </tr> <tr> <td>Pekalongan</td> <td>15</td> <td>4657</td> <td>1600</td> <td>10000</td> </tr> </tbody> </table> |    |      | Lokasi | n    | Rata <sup>2</sup> | Min | Maks  | Brebes | 15    | 1500       | 1400 | 1600  | Cirebon | 16    | 9077 | 2500 | 19200 | Pekalongan | 15 | 4657  | 1600 | 10000  | <ul style="list-style-type: none"> <li>Rata-rata luas lahan milik tertinggi adalah di Cirebon, sedangkan luas lahan milik terendah adalah di Brebes</li> </ul> |  |  |  |  |
| Lokasi   | n    | Rata <sup>2</sup> | Min                             | Maks  |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Brebes   | 45   | 1725              | 800                             | 3200  |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Cirebon  | 48   | 6848              | 1400                            | 20000 |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Pekalongan   | 45   | 2695              | 350                             | 25000 |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Lokasi   | n    | Rata <sup>2</sup> | Min                             | Maks  |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Brebes   | 15   | 1500              | 1400                            | 1600  |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Cirebon  | 16   | 9077              | 2500                            | 19200 |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |
| Pekalongan   | 15   | 4657              | 1600                            | 10000 |                   |                          |                |                |    |      |     |      |         |    |   |      |       |  |  |      |        |       |   |     |      |  |    |      |        |      |                   |     |       |        |       |            |      |   |         |       |      |      |       |            |    |       |      |        |  |  |  |  |  |



| <ul style="list-style-type: none"> <li>Mengapa Bapak menanam padi?</li> </ul> <table border="1"> <thead> <tr> <th>Bulan</th><th>Brebes</th><th>Cirebon</th><th>Pekalongan</th><th>Total</th></tr> </thead> <tbody> <tr> <td>Mencukupi kebutuhan pangan keluarga sendiri</td><td>9</td><td>6</td><td>10</td><td>25</td></tr> <tr> <td>Lebih menguntungkan dibanding usahatani sayuran</td><td>0</td><td>1</td><td>0</td><td>1</td></tr> <tr> <td>Kebiasaan/tradisi</td><td>1</td><td>5</td><td>8</td><td>14</td></tr> <tr> <td>Musimnya terlalu basah untuk menanam non-padi</td><td>2</td><td>1</td><td>7</td><td>10</td></tr> <tr> <td>Membutuhkan tenaga kerja lebih sedikit</td><td>2</td><td>1</td><td>3</td><td>6</td></tr> <tr> <td>Lainnya (modal ringan, air tersedia)</td><td>0</td><td>1</td><td>1</td><td>2</td></tr> </tbody> </table> <ul style="list-style-type: none"> <li>Petani tetap menanam padi walaupun tidak lebih menguntungkan dibanding sayuran, terutama dendorong oleh motivasi untuk mencukupi kebutuhan keluarga sendiri. Petani lain juga mengemukakan bahwa menanam padi sudah merupakan tradisi/kebiasaan dan musimnya terlalu basah untuk menanam sayuran.</li> </ul>   | Bulan  | Brebes    | Cirebon    | Pekalongan  | Total               | Mencukupi kebutuhan pangan keluarga sendiri | 9 | 6 | 10 | 25     | Lebih menguntungkan dibanding usahatani sayuran | 0 | 1 | 0                     | 1   | Kebiasaan/tradisi | 1                | 5         | 8     | 14    | Musimnya terlalu basah untuk menanam non-padi           | 2           | 1      | 7     | 10 | Membutuhkan tenaga kerja lebih sedikit | 2      | 1     | 3                       | 6     | Lainnya (modal ringan, air tersedia) | 0 | 1 | 1      | 2 | <ul style="list-style-type: none"> <li>Alasan tetap menanam padi walaupun dari usahatani sayuran dapat dihasilkan uang tunai untuk membeli beras</li> </ul> <table border="1"> <thead> <tr> <th>Alasan</th><th>Bre</th><th>Cir</th><th>Pek</th><th>Total</th></tr> </thead> <tbody> <tr> <td>Ada kebijakan harga dasar dari pemerintah</td><td>1</td><td>4</td><td>4</td><td>9</td></tr> <tr> <td>Saya tidak mau mengambil risiko tidak dapat membeli beras</td><td>4</td><td>3</td><td>5</td><td>12</td></tr> <tr> <td>Padi adalah tanaman yang berisiko rendah (dibanding sayuran yang berisiko tinggi) dan dapat memberikan pendapatan "dasar" pada saat sayuran gagal</td><td>7</td><td>3</td><td>4</td><td>14</td></tr> <tr> <td>Padi membutuhkan upaya dan pemeliharaan yang tidak seintensif sayuran</td><td>2</td><td>5</td><td>5</td><td>12</td></tr> <tr> <td>Volatilitas (ketidak-stabilan, fluktuasi) harga padi lebih rendah dibanding sayuran</td><td>1</td><td>0</td><td>0</td><td>1</td></tr> <tr> <td>Lebih mudah disimpan dan dijual pada saat membutuhkan uang tunai</td><td>2</td><td>2</td><td>6</td><td>10</td></tr> <tr> <td>Musim hujannya terlalu basah untuk tanaman lain</td><td>2</td><td>2</td><td>7</td><td>11</td></tr> <tr> <td>Investasi untuk menanam padi lebih rendah dibanding sayuran</td><td>2</td><td>4</td><td>2</td><td>8</td></tr> <tr> <td>Lainnya (lahan tadah hujan, pola tanam seragam/serempak sehamparan, kondisi tanah paling cocok untuk padi)</td><td>2</td><td>0</td><td>1</td><td>3</td></tr> </tbody> </table> | Alasan | Bre                   | Cir | Pek | Total                             | Ada kebijakan harga dasar dari pemerintah | 1     | 4   | 4 | 9   | Saya tidak mau mengambil risiko tidak dapat membeli beras | 4         | 3         | 5                       | 12                  | Padi adalah tanaman yang berisiko rendah (dibanding sayuran yang berisiko tinggi) dan dapat memberikan pendapatan "dasar" pada saat sayuran gagal | 7                 | 3      | 4  | 14     | Padi membutuhkan upaya dan pemeliharaan yang tidak seintensif sayuran | 2       | 5  | 5                     | 12  | Volatilitas (ketidak-stabilan, fluktuasi) harga padi lebih rendah dibanding sayuran | 1                | 0          | 0  | 1     | Lebih mudah disimpan dan dijual pada saat membutuhkan uang tunai | 2           | 2      | 6      | 10 | Musim hujannya terlalu basah untuk tanaman lain | 2      | 2     | 7                       | 11    | Investasi untuk menanam padi lebih rendah dibanding sayuran | 2      | 4   | 2      | 8   | Lainnya (lahan tadah hujan, pola tanam seragam/serempak sehamparan, kondisi tanah paling cocok untuk padi) | 2   | 0                     | 1   | 3   |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|--|--|-----------|------------|---|---------------------|---|---|---|----|--------|---|---|---|-----------------------|---|-------------------|------------------|-----------|-------|-------|---|-------------|--------|-------|----|--|--------|-------|-------------------------|-------|--------------------------------------|---|---|--------|---|---|--------|-----------------------|-----|-----|-----------------------------------|---|-------|-----|---|---|---|-----------|-----------|-------------------------|---------------------|---|-------------------|--------|----|--------|---|---------|----|-----------------------|-----|---|------------------|------------|--|-------|--|-------------|--------|--------|----|---|--------|-------|-------------------------|-------|---|--------|-----|--------|-----|--|---|-----------------------|-----|-----|----------------------------|--|--------|-------|---|-------------|---|-------|---|----------------------------|----------|--|-------------------|--------|----|----|---|---------|----|----|---|--|----|----|---|---|
| Bulan  | Brebes   | Cirebon   | Pekalongan | Total   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Mencukupi kebutuhan pangan keluarga sendiri  | 9  | 6         | 10         | 25  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Lebih menguntungkan dibanding usahatani sayuran  | 0  | 1         | 0          | 1   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Kebiasaan/tradisi  | 1  | 5         | 8          | 14  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Musimnya terlalu basah untuk menanam non-padi  | 2  | 1         | 7          | 10  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Membutuhkan tenaga kerja lebih sedikit   | 2  | 1         | 3          | 6   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Lainnya (modal ringan, air tersedia)   | 0  | 1         | 1          | 2   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Alasan   | Bre  | Cir       | Pek        | Total   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Ada kebijakan harga dasar dari pemerintah  | 1  | 4         | 4          | 9   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Saya tidak mau mengambil risiko tidak dapat membeli beras  | 4  | 3         | 5          | 12  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Padi adalah tanaman yang berisiko rendah (dibanding sayuran yang berisiko tinggi) dan dapat memberikan pendapatan "dasar" pada saat sayuran gagal  | 7  | 3         | 4          | 14  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Padi membutuhkan upaya dan pemeliharaan yang tidak seintensif sayuran  | 2  | 5         | 5          | 12  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Volatilitas (ketidak-stabilan, fluktuasi) harga padi lebih rendah dibanding sayuran  | 1  | 0         | 0          | 1   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Lebih mudah disimpan dan dijual pada saat membutuhkan uang tunai   | 2  | 2         | 6          | 10  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Musim hujannya terlalu basah untuk tanaman lain  | 2  | 2         | 7          | 11  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Investasi untuk menanam padi lebih rendah dibanding sayuran  | 2  | 4         | 2          | 8   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Lainnya (lahan tadah hujan, pola tanam seragam/serempak sehamparan, kondisi tanah paling cocok untuk padi)   | 2  | 0         | 1          | 3   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  Badan Penelitian dan Pengembangan Pertanian<br>Kementerian Pertanian<br><a href="http://www.litbang.deptan.go.id">www.litbang.deptan.go.id</a>   |  Badan Penelitian dan Pengembangan Pertanian<br>Kementerian Pertanian<br><a href="http://www.litbang.deptan.go.id">www.litbang.deptan.go.id</a>   |           |            |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| <p><b>RESPONDEN PEMILIK LAHAN</b></p> <table border="1"> <thead> <tr> <th></th> <th>Bre (n=5)</th> <th>Cir (n=5)</th> <th>Pek (n=5)</th> </tr> </thead> <tbody> <tr> <td>Jumlah persil milik</td> <td>Min 2</td> <td>2</td> <td>1</td> </tr> <tr> <td></td> <td>Maks 6</td> <td>5</td> <td>4</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 3,2</td> <td>3</td> <td>2,4</td> </tr> <tr> <td>Total luas lahan</td> <td>Min 4.500</td> <td>4.900</td> <td>1.400</td> </tr> <tr> <td></td> <td>Maks 10.000</td> <td>35.000</td> <td>4.200</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 7.380</td> <td>20.020</td> <td>2.420</td> </tr> <tr> <td>Jumlah persil disewakan</td> <td>Min 2</td> <td>1</td> <td>1</td> </tr> <tr> <td></td> <td>Maks 4</td> <td>2</td> <td>1</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 2,6</td> <td>1,4</td> <td>1</td> </tr> <tr> <td>Total luas lahan disewakan</td> <td>Min 3.200</td> <td>2.100</td> <td>350</td> </tr> <tr> <td></td> <td>Maks 6.400</td> <td>15.000</td> <td>1.600</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 5.060</td> <td>5.820</td> <td>1.330</td> </tr> <tr> <td>Lama periode sewa</td> <td>Min 12</td> <td>12</td> <td>4</td> </tr> <tr> <td></td> <td>Maks 12</td> <td>12</td> <td>36</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 12</td> <td>12</td> <td>17,6</td> </tr> </tbody> </table> |  | Bre (n=5) | Cir (n=5)  | Pek (n=5)   | Jumlah persil milik | Min 2                                       | 2 | 1 |    | Maks 6 | 5   | 4 |   | Rata <sup>2</sup> 3,2 | 3   | 2,4               | Total luas lahan | Min 4.500 | 4.900 | 1.400 |   | Maks 10.000 | 35.000 | 4.200 |    | Rata <sup>2</sup> 7.380                | 20.020 | 2.420 | Jumlah persil disewakan | Min 2 | 1                                    | 1 |   | Maks 4 | 2 | 1   |        | Rata <sup>2</sup> 2,6 | 1,4 | 1   | Total luas lahan disewakan        | Min 3.200                                 | 2.100 | 350 |   | Maks 6.400  | 15.000  | 1.600     |           | Rata <sup>2</sup> 5.060 | 5.820               | 1.330   | Lama periode sewa | Min 12 | 12 | 4      |   | Maks 12 | 12 | 36                    |     | Rata <sup>2</sup> 12  | 12               | 17,6       | <ul style="list-style-type: none"> <li>Bersedia menyewakan lahan untuk periode waktu panjang (misalnya 3-5 tahun)?</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Breb</th> <th>Cire</th> <th>Peka</th> </tr> </thead> <tbody> <tr> <td>Tidak</td> <td>5</td> <td>5</td> <td>1</td> </tr> <tr> <td>Ya</td> <td>0</td> <td>0</td> <td>4</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Alasan tidak menyewakan lahan untuk periode waktu panjang (misalnya 3-5 tahun)</li> </ul> <table border="1"> <thead> <tr> <th>Alasan</th> <th>Bre</th> <th>Cir</th> <th>Pek</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Menyewakan lahan dalam waktu lama/panjang sangat berisiko, saya mungkin akan mengalami kerugian</td> <td>1</td> <td>-</td> <td>-</td> <td>1</td> </tr> <tr> <td>Kualitas lahan akan terdegradasi (menurun) jika digunakan oleh seorang petani secara terus menerus untuk sayuran</td> <td>1</td> <td>5</td> <td>-</td> <td>6</td> </tr> <tr> <td>Penyewa yang kurang dapat diandalkan (kredibilitasnya rendah)</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Saya kemungkinan akan menggunakan lahan tersebut untuk keperluan di luar usaha tanam</td> <td>1</td> <td>1</td> <td>-</td> <td>2</td> </tr> <tr> <td>Nilai sewa lahan terus meningkat dari tahun ke tahun, sehingga akan lebih menguntungkan untuk menyewakannya per tahun</td> <td>2</td> <td>4</td> <td>2</td> <td>8</td> </tr> <tr> <td>Lainnya (untuk digunakan sendiri, tidak ada permintaan, pabrik gula)</td> <td>3</td> <td>3</td> <td>-</td> <td>6</td> </tr> </tbody> </table> |       | Breb   | Cire        | Peka   | Tidak  | 5  | 5   | 1      | Ya    | 0                       | 0     | 4   | Alasan | Bre | Cir    | Pek | Total  | Menyewakan lahan dalam waktu lama/panjang sangat berisiko, saya mungkin akan mengalami kerugian | 1                     | -   | -   | 1                          | Kualitas lahan akan terdegradasi (menurun) jika digunakan oleh seorang petani secara terus menerus untuk sayuran | 1      | 5     | - | 6           | Penyewa yang kurang dapat diandalkan (kredibilitasnya rendah) | -     | - | -                          | -        | Saya kemungkinan akan menggunakan lahan tersebut untuk keperluan di luar usaha tanam | 1                 | 1      | -  | 2  | Nilai sewa lahan terus meningkat dari tahun ke tahun, sehingga akan lebih menguntungkan untuk menyewakannya per tahun | 2       | 4  | 2  | 8 | Lainnya (untuk digunakan sendiri, tidak ada permintaan, pabrik gula) | 3  | 3  | - | 6 |
|  | Bre (n=5)  | Cir (n=5) | Pek (n=5)  |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Jumlah persil milik  | Min 2  | 2         | 1          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 6   | 5         | 4          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 3,2  | 3         | 2,4        |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Total luas lahan   | Min 4.500  | 4.900     | 1.400      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 10.000  | 35.000    | 4.200      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 7.380  | 20.020    | 2.420      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Jumlah persil disewakan  | Min 2  | 1         | 1          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 4   | 2         | 1          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 2,6  | 1,4       | 1          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Total luas lahan disewakan   | Min 3.200  | 2.100     | 350        |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 6.400   | 15.000    | 1.600      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 5.060  | 5.820     | 1.330      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Lama periode sewa  | Min 12   | 12        | 4          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 12  | 12        | 36         |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 12   | 12        | 17,6       |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Breb   | Cire      | Peka       |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Tidak  | 5  | 5         | 1          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Ya   | 0  | 0         | 4          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Alasan   | Bre  | Cir       | Pek        | Total   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Menyewakan lahan dalam waktu lama/panjang sangat berisiko, saya mungkin akan mengalami kerugian  | 1  | -         | -          | 1   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Kualitas lahan akan terdegradasi (menurun) jika digunakan oleh seorang petani secara terus menerus untuk sayuran   | 1  | 5         | -          | 6   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Penyewa yang kurang dapat diandalkan (kredibilitasnya rendah)  | -  | -         | -          | -   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Saya kemungkinan akan menggunakan lahan tersebut untuk keperluan di luar usaha tanam   | 1  | 1         | -          | 2   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Nilai sewa lahan terus meningkat dari tahun ke tahun, sehingga akan lebih menguntungkan untuk menyewakannya per tahun  | 2  | 4         | 2          | 8   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Lainnya (untuk digunakan sendiri, tidak ada permintaan, pabrik gula)   | 3  | 3         | -          | 6   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  Badan Penelitian dan Pengembangan Pertanian<br>Kementerian Pertanian<br><a href="http://www.litbang.deptan.go.id">www.litbang.deptan.go.id</a>   |  Badan Penelitian dan Pengembangan Pertanian<br>Kementerian Pertanian<br><a href="http://www.litbang.deptan.go.id">www.litbang.deptan.go.id</a> |           |            |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| <ul style="list-style-type: none"> <li>Apakah memperbolehkan penyewa membayar secara cicilan?</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Breb</th> <th>Cire</th> <th>Peka</th> <th>Keterangan</th> </tr> </thead> <tbody> <tr> <td>Tunai</td> <td>2</td> <td>5</td> <td>4</td> <td>-</td> </tr> <tr> <td>Cicilan</td> <td>3</td> <td>0</td> <td>1</td> <td> <ul style="list-style-type: none"> <li>Dicicil 2 kali, setiap 6 bulan</li> <li>Dicicil setiap kali panen</li> </ul> </td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Harga-nilai sewa ditetapkan berdasarkan?</li> </ul> <table border="1"> <thead> <tr> <th>Alasan</th> <th>Bre</th> <th>Cir</th> <th>Pek</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Pertanaman sebelumnya (tebu lebih mahal dari pada padi)</td> <td>5</td> <td>5</td> <td>-</td> <td>10</td> </tr> <tr> <td>Kesuburan lahan</td> <td>1</td> <td>1</td> <td>3</td> <td>5</td> </tr> <tr> <td>Ketersediaan air</td> <td>3</td> <td>5</td> <td>1</td> <td>9</td> </tr> <tr> <td>Akses ke kebun mudah, dekat ke jalan</td> <td>1</td> <td>3</td> <td>2</td> <td>6</td> </tr> <tr> <td>Menyesuaikan dengan harga standar</td> <td>-</td> <td>-</td> <td>1</td> <td>1</td> </tr> </tbody> </table>   |  | Breb      | Cire       | Peka  | Keterangan          | Tunai                                       | 2 | 5 | 4  | -      | Cicilan   | 3 | 0 | 1                     | <ul style="list-style-type: none"> <li>Dicicil 2 kali, setiap 6 bulan</li> <li>Dicicil setiap kali panen</li> </ul> | Alasan            | Bre              | Cir       | Pek   | Total | Pertanaman sebelumnya (tebu lebih mahal dari pada padi) | 5           | 5      | -     | 10 | Kesuburan lahan                        | 1      | 1     | 3                       | 5     | Ketersediaan air                     | 3 | 5 | 1      | 9 | Akses ke kebun mudah, dekat ke jalan  | 1      | 3                     | 2   | 6   | Menyesuaikan dengan harga standar | -   | -     | 1   | 1 | <p><b>RESPONDEN KEPALA/APARAT DESA</b></p> <table border="1"> <thead> <tr> <th></th> <th>Bre (n=5)</th> <th>Cir (n=5)</th> <th>Pek (n=5)</th> </tr> </thead> <tbody> <tr> <td>Jumlah persil milik</td> <td>Min 1</td> <td>2</td> <td>1</td> </tr> <tr> <td></td> <td>Maks 2</td> <td>4</td> <td>5</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 1,7</td> <td>2,7</td> <td>2,3</td> </tr> <tr> <td>Total luas lahan</td> <td>Min 20.000</td> <td>20.000</td> <td>2.800</td> </tr> <tr> <td></td> <td>Maks 31.600</td> <td>30.000</td> <td>15.000</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 23.866,7</td> <td>25.000</td> <td>7.100</td> </tr> <tr> <td>Jumlah persil disewakan</td> <td>Min 1</td> <td>1</td> <td>1</td> </tr> <tr> <td></td> <td>Maks 2</td> <td>4</td> <td>2</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 1,3</td> <td>2,3</td> <td>1,3</td> </tr> <tr> <td>Total luas lahan disewakan</td> <td>Min 18.000</td> <td>10.000</td> <td>2.800</td> </tr> <tr> <td></td> <td>Maks 30.000</td> <td>30.000</td> <td>3.500</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 22.666,7</td> <td>21.666,7</td> <td>3.166,7</td> </tr> <tr> <td>Lama periode sewa</td> <td>Min 12</td> <td>12</td> <td>24</td> </tr> <tr> <td></td> <td>Maks 12</td> <td>12</td> <td>36</td> </tr> <tr> <td></td> <td>Rata<sup>2</sup> 12</td> <td>12</td> <td>28</td> </tr> </tbody> </table> |   | Bre (n=5) | Cir (n=5) | Pek (n=5)               | Jumlah persil milik | Min 1   | 2                 | 1      |    | Maks 2 | 4   | 5       |    | Rata <sup>2</sup> 1,7 | 2,7 | 2,3   | Total luas lahan | Min 20.000 | 20.000   | 2.800 |  | Maks 31.600 | 30.000 | 15.000 |    | Rata <sup>2</sup> 23.866,7                      | 25.000 | 7.100 | Jumlah persil disewakan | Min 1 | 1   | 1      |     | Maks 2 | 4   | 2  |   | Rata <sup>2</sup> 1,3 | 2,3 | 1,3 | Total luas lahan disewakan | Min 18.000   | 10.000 | 2.800 |   | Maks 30.000 | 30.000  | 3.500 |   | Rata <sup>2</sup> 22.666,7 | 21.666,7 | 3.166,7  | Lama periode sewa | Min 12 | 12 | 24 |   | Maks 12 | 12 | 36 |   | Rata <sup>2</sup> 12   | 12 | 28 |   |   |
|  | Breb   | Cire      | Peka       | Keterangan  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Tunai  | 2  | 5         | 4          | -   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Cicilan  | 3  | 0         | 1          | <ul style="list-style-type: none"> <li>Dicicil 2 kali, setiap 6 bulan</li> <li>Dicicil setiap kali panen</li> </ul> |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Alasan   | Bre  | Cir       | Pek        | Total   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Pertanaman sebelumnya (tebu lebih mahal dari pada padi)  | 5  | 5         | -          | 10  |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Kesuburan lahan  | 1  | 1         | 3          | 5   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Ketersediaan air   | 3  | 5         | 1          | 9   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Akses ke kebun mudah, dekat ke jalan   | 1  | 3         | 2          | 6   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Menyesuaikan dengan harga standar  | -  | -         | 1          | 1   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Bre (n=5)  | Cir (n=5) | Pek (n=5)  |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Jumlah persil milik  | Min 1  | 2         | 1          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 2   | 4         | 5          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 1,7  | 2,7       | 2,3        |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Total luas lahan   | Min 20.000   | 20.000    | 2.800      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 31.600  | 30.000    | 15.000     |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 23.866,7   | 25.000    | 7.100      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Jumlah persil disewakan  | Min 1  | 1         | 1          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 2   | 4         | 2          |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 1,3  | 2,3       | 1,3        |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Total luas lahan disewakan   | Min 18.000   | 10.000    | 2.800      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 30.000  | 30.000    | 3.500      |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 22.666,7   | 21.666,7  | 3.166,7    |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
| Lama periode sewa  | Min 12   | 12        | 24         |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Maks 12  | 12        | 36         |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  | Rata <sup>2</sup> 12   | 12        | 28         |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |
|  Badan Penelitian dan Pengembangan Pertanian<br>Kementerian Pertanian<br><a href="http://www.litbang.deptan.go.id">www.litbang.deptan.go.id</a>   |  Badan Penelitian dan Pengembangan Pertanian<br>Kementerian Pertanian<br><a href="http://www.litbang.deptan.go.id">www.litbang.deptan.go.id</a> |           |            |   |                     |   |   |   |    |        |   |   |   |                       |   |                   |                  |           |       |       |   |             |        |       |    |  |        |       |                         |       |                                      |   |   |        |   |   |        |                       |     |     |                                   |   |       |     |   |   |   |           |           |                         |                     |   |                   |        |    |        |   |         |    |                       |     |   |                  |            |  |       |  |             |        |        |    |   |        |       |                         |       |   |        |     |        |     |  |   |                       |     |     |                            |  |        |       |   |             |   |       |   |                            |          |  |                   |        |    |    |   |         |    |    |   |  |    |    |   |   |

| <ul style="list-style-type: none"> <li>Bersedia menyewakan lahan untuk periode waktu panjang (misalnya 3-5 tahun)?</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>Breb</th> <th>Cire</th> <th>Peka</th> <th></th> </tr> </thead> <tbody> <tr> <td>Tidak</td> <td>3</td> <td>3</td> <td>1</td> <td></td> </tr> <tr> <td>Ya</td> <td>0</td> <td>0</td> <td>2</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Alasan tidak menyewakan lahan untuk periode waktu panjang (misalnya 3-5 tahun)</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Alasan</th> <th>Bre</th> <th>Cir</th> <th>Pek</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Menyewakan lahan dalam waktu lama/panjang sangat berisiko, saya mungkin akan mengalami kerugian</td> <td>2</td> <td>1</td> <td>-</td> <td>3</td> </tr> <tr> <td>Kualitas lahan akan terdegradasi (menurun) jika digunakan oleh seorang petani secara terus menerus untuk sayuran</td> <td>2</td> <td>3</td> <td>-</td> <td>5</td> </tr> <tr> <td>Penyewa yang kurang dapat diandalkan (kreditibilitasnya rendah)</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Desa/kemukiman akan menggunakan lahan tersebut untuk keperluan di luar usaha tanam</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Nilai sewa lahan terus meningkat dari tahun ke tahun, sehingga akan lebih menguntungkan untuk menyewakannya per tahun</td> <td>3</td> <td>2</td> <td>-</td> <td>5</td> </tr> <tr> <td>Lainnya (untuk digunakan sendiri)</td> <td>-</td> <td>-</td> <td>1</td> <td>1</td> </tr> </tbody> </table> |   | Breb | Cire | Peka                             |  | Tidak | 3 | 3 | 1 |  | Ya | 0 | 0 | 2 |  | Alasan | Bre | Cir | Pek | Total | Menyewakan lahan dalam waktu lama/panjang sangat berisiko, saya mungkin akan mengalami kerugian | 2 | 1 | - | 3 | Kualitas lahan akan terdegradasi (menurun) jika digunakan oleh seorang petani secara terus menerus untuk sayuran | 2 | 3 | - | 5 | Penyewa yang kurang dapat diandalkan (kreditibilitasnya rendah) | - | - | - | - | Desa/kemukiman akan menggunakan lahan tersebut untuk keperluan di luar usaha tanam | - | - | - | - | Nilai sewa lahan terus meningkat dari tahun ke tahun, sehingga akan lebih menguntungkan untuk menyewakannya per tahun | 3 | 2 | - | 5 | Lainnya (untuk digunakan sendiri) | - | - | 1 | 1 | <ul style="list-style-type: none"> <li>Apakah memperbolehkan penyewa membayar secara cicilan?</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>Breb</th> <th>Cire</th> <th>Peka</th> <th>Keterangan</th> </tr> </thead> <tbody> <tr> <td>Tunai</td> <td>2</td> <td>3</td> <td>3</td> <td>-</td> </tr> <tr> <td>Cicilan</td> <td>1</td> <td>0</td> <td>0</td> <td>- Dicicil 2 kali, setiap 6 bulan</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Harga-nilai sewa ditetapkan berdasarkan?</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Alasan</th> <th>Bre</th> <th>Cir</th> <th>Pek</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Pertanian sebelumnya (tebu lebih mahal dari pada padi)</td> <td>3</td> <td>3</td> <td>-</td> <td>6</td> </tr> <tr> <td>Ukuran lahan</td> <td>-</td> <td>-</td> <td>1</td> <td>1</td> </tr> <tr> <td>Ketersediaan air</td> <td>3</td> <td>3</td> <td>1</td> <td>7</td> </tr> <tr> <td>Akses ke kebun mudah, dekat ke jalan</td> <td>1</td> <td>1</td> <td>2</td> <td>4</td> </tr> <tr> <td>Menyesuaikan dengan harga standar</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> |  | Breb | Cire | Peka | Keterangan | Tunai | 2 | 3 | 3 | - | Cicilan | 1 | 0 | 0 | - Dicicil 2 kali, setiap 6 bulan | Alasan | Bre | Cir | Pek | Total | Pertanian sebelumnya (tebu lebih mahal dari pada padi) | 3 | 3 | - | 6 | Ukuran lahan | - | - | 1 | 1 | Ketersediaan air | 3 | 3 | 1 | 7 | Akses ke kebun mudah, dekat ke jalan | 1 | 1 | 2 | 4 | Menyesuaikan dengan harga standar | - | - | - | - |
|---|---|------|------|----------------------------------|--|-------|---|---|---|--|----|---|---|---|--|--------|-----|-----|-----|-------|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|-----------------------------------|---|---|---|---|--|--|------|------|------|------------|-------|---|---|---|---|---------|---|---|---|----------------------------------|--------|-----|-----|-----|-------|--|---|---|---|---|--------------|---|---|---|---|------------------|---|---|---|---|--------------------------------------|---|---|---|---|-----------------------------------|---|---|---|---|
|   | Breb  | Cire | Peka |                                  |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Tidak   | 3   | 3    | 1    |                                  |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Ya  | 0   | 0    | 2    |                                  |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Alasan  | Bre   | Cir  | Pek  | Total                            |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Menyewakan lahan dalam waktu lama/panjang sangat berisiko, saya mungkin akan mengalami kerugian   | 2   | 1    | -    | 3                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Kualitas lahan akan terdegradasi (menurun) jika digunakan oleh seorang petani secara terus menerus untuk sayuran  | 2   | 3    | -    | 5                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Penyewa yang kurang dapat diandalkan (kreditibilitasnya rendah)   | -   | -    | -    | -                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Desa/kemukiman akan menggunakan lahan tersebut untuk keperluan di luar usaha tanam  | -   | -    | -    | -                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Nilai sewa lahan terus meningkat dari tahun ke tahun, sehingga akan lebih menguntungkan untuk menyewakannya per tahun   | 3   | 2    | -    | 5                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Lainnya (untuk digunakan sendiri)   | -   | -    | 1    | 1                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
|   | Breb  | Cire | Peka | Keterangan                       |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Tunai   | 2   | 3    | 3    | -                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Cicilan   | 1   | 0    | 0    | - Dicicil 2 kali, setiap 6 bulan |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Alasan  | Bre   | Cir  | Pek  | Total                            |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Pertanian sebelumnya (tebu lebih mahal dari pada padi)  | 3   | 3    | -    | 6                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Ukuran lahan  | -   | -    | 1    | 1                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Ketersediaan air  | 3   | 3    | 1    | 7                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Akses ke kebun mudah, dekat ke jalan  | 1   | 1    | 2    | 4                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
| Menyesuaikan dengan harga standar   | -   | -    | -    | -                                |  |       |   |   |   |  |    |   |   |   |  |        |     |     |     |       |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |                                   |   |   |   |   |  |  |      |      |      |            |       |   |   |   |   |         |   |   |   |                                  |        |     |     |     |       |  |   |   |   |   |              |   |   |   |   |                  |   |   |   |   |                                      |   |   |   |   |                                   |   |   |   |   |
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|   |   |
|---|---|
| <h3>Summary</h3> <ul style="list-style-type: none"> <li>Renting a rented land is carried out because farmer who rents the land need cash immediately. It has been known that this farmer actually function as a rented land broker (he has rented many land parcels – large area, usually one or two seasons ago, then distribute them to other farmers).</li> <li>In Brebes, most rented lands are previously used for sugarcane. In Cirebon, most rented lands are previously used for sugarcane or rice. In Pekalongan, most rented lands are previously used for peanut or rice</li> <li>Di Brebes, the start of land renting is mostly July/August. These months are actually the harvesting time of sugarcane. This implies farmers' preference to grow vegetables after sugarcane.</li> <li>In Cirebon, most farmers also start to rent land in June-August (previously also used for sugarcane). However, some farmers also start renting land in October-November.</li> <li>In Pekalongan, most farmers start renting land in December-January. Farmers in this area tend to start their cropping system by growing rice.</li> </ul> | <h3>Summary</h3> <ul style="list-style-type: none"> <li>Farmers grow rice are mostly motivated by the need to become self-sufficiency. Other farmers also suggest that growing rice is already a tradition/habit and they also think that the season is too wet for vegetables.</li> <li>Some reasons for still growing rice even though by growing vegetables they could actually generate cash to buy rice:           <ul style="list-style-type: none"> <li>Rice is a low-risk crop (as compared to high-risk vegetables) and could provide basic income when vegetables fail</li> <li>Rice needs maintenance that is not as intensive as vegetables</li> <li>Do not want to take risk for not being able to buy rice</li> </ul> </li> </ul> |
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**Summary**

- Land owner respondents (individual and village) in Cirebon and Brebes are not willing to give their lands for longer period rent (3-5 tahun) because:
  - Price of land rent is increasing each year, hence it would be more profitable to rent their land per year.
  - Land quality is expected to decrease if used by a rented farmer to grow vegetables continuously
- Those land owners generally require cash payment
- The price of land rent is usually determined by:
  - Previous crop cultivated in the land parcel (previously used for sugarcane is more expensive than rice)
  - Water availability



**Terima kasih**



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