Sustainable Cocoa Production Program (SCPP):
Analysis of cocoa beans processing and quality in post-harvest in South East Sulawesi in Indonesia

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Introduction (I) - Cocoa production in Indonesia

- **Location**

![Map of Indonesia showing cocoa-producing regions](image)

- **Position on the market**

![Cocoa pod and beans](image)

- **Small-scale production**

![Small-scale cocoa farmers](image)

- **Need for intervention**

![Swisscontact logo](image)

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Introduction (II) – Cocoa Value Chain and method

Associations, trading and processing companies

- Associations (3)
- Trading and processing companies (6)

Local collectors and farmers’ cooperatives

- Village and local collectors (5)
- Farmers’ cooperatives (3)

Farmers’ analysis

- Group no. 1 SCPP and UTZ certified (16)
- Group no. 2 SCPP non certified (22)
- Group no. 3 Non SCPP (20)
- Women involvement (32)
Introduction (III) - Research hypothesis

1. Impact of SCPP on farm-level
   1. social conditions
   2. post-harvest-practices

2. Influence of SCPP on the perception of the quality of cocoa beans

3. The stakeholders in the value chain and applied quality criteria to the dried cocoa beans

4. Implementation of UTZ certification

5. Involvement of women in the cocoa production

6. Improvement on farm-level with SCPP
Results - Farmers analysis: impact of the SCPP

Hypothesis 1 – Social conditions and post-harvest practices

▷ Social conditions
  ▷ Running water
  ▷ Electricity
  ▷ Transportation
  ▷ Diversified diet

▷ Post-harvest practices
  ▷ Fermentation
  ▷ Drying
  ▷ Sorting

NB: Group 1: SCPP and UTZ certified / Group 2: SCPP no certified / Group 3: Non SCPP

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## Results: perception of the quality in the value chain

**Hypothesis 2 and 3**

<table>
<thead>
<tr>
<th>Farmers</th>
<th>Local collectors</th>
<th>Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Uniform size</td>
<td>▶ Moisture content</td>
<td>▶ Moisture content</td>
</tr>
<tr>
<td>2. Broken beans</td>
<td>▶ % of waste by weight</td>
<td>▶ % of waste by weight</td>
</tr>
<tr>
<td>3. Free from clusters</td>
<td>▶ Smoky smell</td>
<td>▶ Smoky smell</td>
</tr>
<tr>
<td>4. Free from mites</td>
<td>▶ Colour</td>
<td>▶ Colour</td>
</tr>
<tr>
<td>5. Free from foreign matter</td>
<td>▶ Moisture content</td>
<td></td>
</tr>
<tr>
<td>6. Bean count</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Slaty beans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Mouldy beans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Insects damaged</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Insects infected</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Germinated beans</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Results – Implementation of UTZ

Hypothesis 4

- Implementation of the certification
  - Main function of KGG (Koperasi Gabungan Gapoktan)
- Farmers and UTZ
- UTZ in Indonesia
Results – Role of the women in the cocoa sector

Hypothesis 5

Activities of the women in the cocoa sector

- deliver beans to the house
- drying
- fertilizing
- grafting
- harvesting
- pruning
- selling

Activities in the house

- food preparation
- gardening
- house work
- take care children

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Results - impact of the SCPP

Hypothesis 6

- Higher productivity
- Oldest trees
- Long term effect
- Positive impact on farmers

NB: **Group 1**: SCPP and UTZ certified / **Group 2**: SCPP no certified / **Group 3**: Non SCPP
Conclusion

- Positive impact of the SCPP on farm-level
- Inequality of the evaluation of the quality of the cocoa beans in the value chain
- Creation of UTZ mainly for the worldwide market, not direct impact for farmers

- In the future...
  - Empowerment of farmers by creation of groups and cooperatives
  - New law by the government
  - Add value on the beans with fermentation

...The key of Indonesia is to link the stakeholders to each other in order to sustainable development of the cocoa sector in improve the quality and the productivity of the cocoa production...