Testing Mechanization with women users in Indonesia

by:
Sulha Panagaribuan, S.T.P
Ivony Hari, ST. MT
Indonesia and Mechanization

Indonesia is an agricultural country with vast and fertile agricultural land 55 million ha

With this agricultural land area, Indonesia requires ±1.5 million units of agricultural machinery.

The need for agricultural machinery is met by domestic production and imported machinery.
Government Policies and Regulation

How does Indonesia regulate the circulation of agricultural machinery?

**Government Law:**
- UU no 22 Year 2019
- UU no 8 Year 1999

**Government Regulation:**
- PP No. 81 Year 2001
- PP No. 41 Year 2011
- PP No. 29 Tahun 2018

**Ministerial regulations:**
- Permentan No. 65 Year 2006
- Permentan No. 05 Year 2007
- Permentan No. 39 Year 2008

- Agriculture machinery, one of technologies that have an important role in increasing production, yield quality and farmers income.
- Agriculture machinery and tools procured and circulated must comply with the provisions regarding standards and effectiveness.
Government Policies and Regulation

Government Law:
1) UU no 22 Year 2019 Agric infrastructure and facilities should comply with national quality and safety standards
2) UU no 8 year 1999 consumer protection

Ministrial regulation
1) Permentan 65/2006 Controlling the procurement, circulation and utilization of agricultural machinery;
2) Permentan 05/2007 Terms and Procedures for Testing and Granting the Certificate of complying with the national standard of Agric machinery;

Government Regulation
1) PP No. 81/2001 Agric Tools and Machinery for Farming System;
2) PP No. 41/2011 agric. Tools and Machinery for Animal Husbandries and Veterinary;
3) PP No. 29/2018 The use of local component for agricultural machinery;
How the machines get to the users?

Domestic production + Import

Testing machine (tr, certificate sni)

Market

User
Indonesia Center for Testing of Standardization Agricultural Mechanization (ICATSM)

1. Testing of Agricultural machinery
2. Drafting the National Standards of Agricultural Machinery
3. Development of Agricultural machinery
Our Facilities: Accredited Laboratories for conducting Regular Testing to Comply with National Standards

- Lab. Sprayer
- Lab. Post Harvest machinery
- Lab. Four Wheel Tractor
- Lab. Centrifugal Pumps
- Lab. Hand Tractor
Member of team testing machine at (ICATSM)

- Strong (physically)
- Rough work
- Analytic and Logic

65% - Male

- Weak (physically)
- Office work
- Emphatic and intuitive

35% - Female
What are the challenges and obstacles for women as members of agricultural machinery testing teams?

<table>
<thead>
<tr>
<th>Challenges</th>
<th>Obstacles</th>
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<tbody>
<tr>
<td>Operating machines</td>
<td>Generally done by men, so women don’t have the opportunity to do.</td>
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<tr>
<td>Moving the machine</td>
<td>Limited ability moving the machines without men.</td>
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<tr>
<td>Setting machine</td>
<td>Lack knowledge of setting machines in complete process</td>
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</tbody>
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# Recommendations

1. Machine operation training

2. Giving women the opportunity to do what men do when testing
