



CSAM

Centre for Sustainable
Agricultural Mechanization



NIAM

10th Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific

Gender Mainstreaming in Sustainable Agricultural Mechanization

28-30 November 2023; Shanghai, China

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

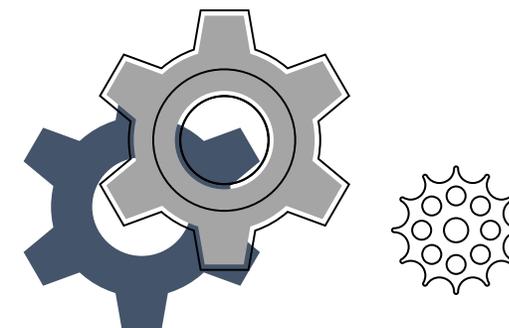
Ministerial regulations:

Permentan No. 65 year 2006
Permentan No. 05 year 2007
Permentan No. 39 year 2008

Government Regulation:

PP No. 81 year 2001
PP No. 41 year 2011
PP No. 29 Tahun 2018

- 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;
- 3) Permentan 39/2008 Certification of agricultural machinery products – mostly.

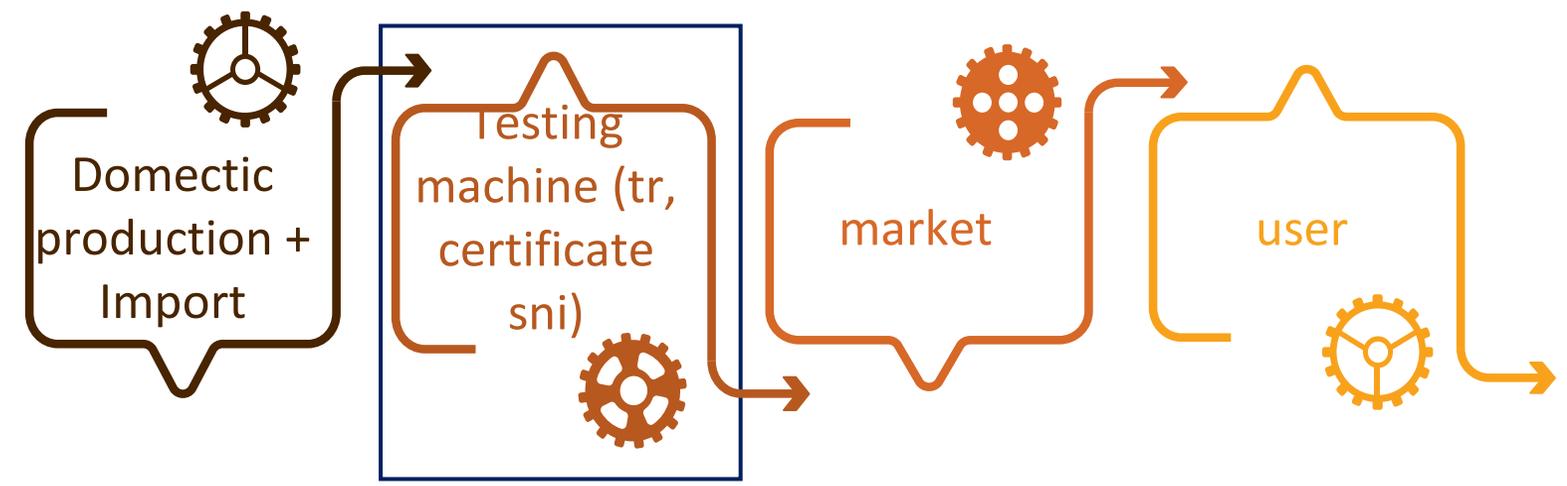


Government Regulation

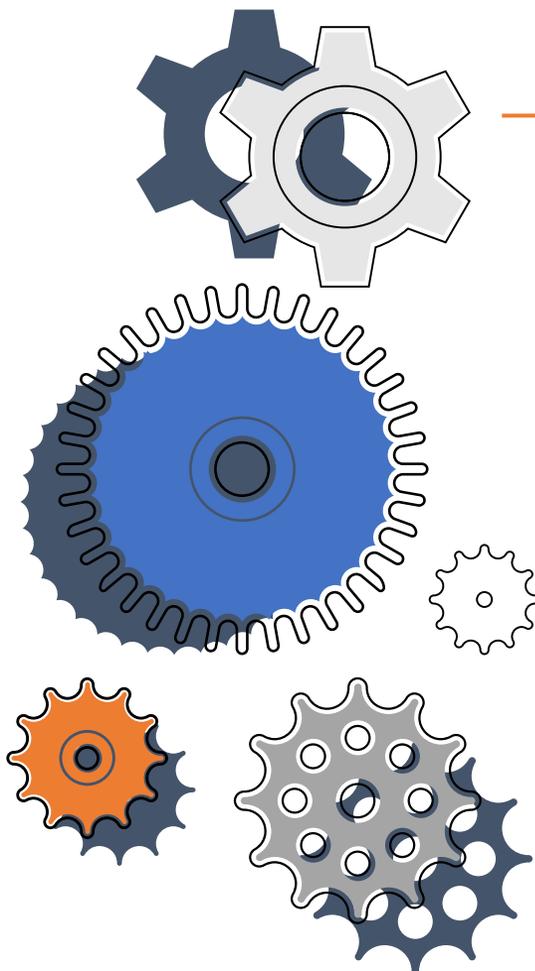
- 1) PP No. 81/2001 Agric Tools and Machinery for Farming System ;
 - 2) PP No. 41/2011 agric. Tools and Machinery for Animal Husbandries and Veterinary ;
 - 3) PP No. 29/2018 The use of local component for agricultural machinery ;
- 



How the machines get to the users ?



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



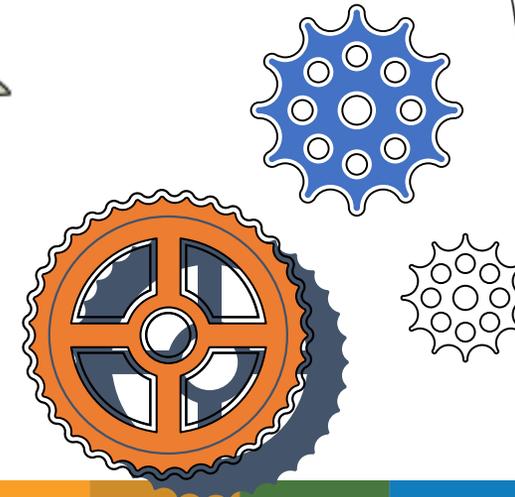
✓ Lab. Four Wheel Tractor



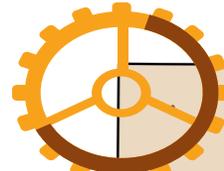
✓ Lab. Centrifugal Pumps



✓ Lab. Hand Tractor



Member of team testing machine at (ICATSM)

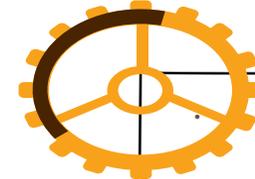


65%

M
A
L
E



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



35%

F
E
M
A
L
E



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

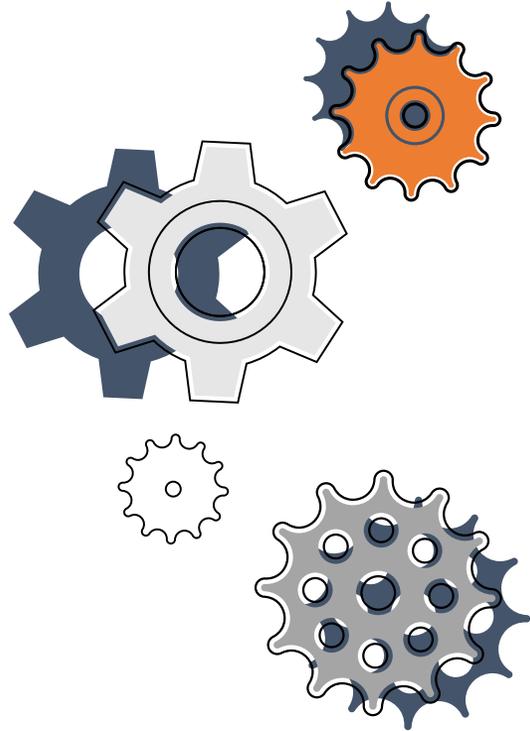
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What are the challenges and obstacles for women as members of agricultural machinery testing teams?



Challenges	Obstacles
Operating machines	Generally done by men, so women don't have the opportunity to do.
Moving the machine	Limited ability moving the machines without men.
Setting machine	Lack knowledge of setting machines in complete process

Recommendations



1. Machine operation training
2. Giving women the opportunity to do what men do when testing
3. Make gender balance regulation in formation of test team.



Thank you

Sulha Pangaribuan
sulhapangaribuan@yahoo.com
+62 813-8011-6554

Ivony Hari
ivonyhari@gmail.com
+62 852-6372-4622

Thank you



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