







At a glance

INTERNATIONAL CONFERENCE

OUTCOME-BASED
INTERNAL QUALITY ASSURANCE (IQA) SYSTEM

8-9 August 2018, Pekanbaru-Riau, Indonesia



Higher Education Act No. 12/2012

- ☐ Shifting the role of National Accreditation Agency of Higher Education (BAN-PT) from Program accreditation to HE Institution accreditation.
- ☐ Independent accreditation bodies (LAM-PS) shall be established for each education field, by community or government, for conducting study program accreditation.



Current Accreditation of Engineering Programs by BAN PT

- ☐ 2,500 Bachelor engineering programs
- ☐ 222 (9 %) engineering programs ranked A
 - ≥ 139 programs from 24 public universities
 - > 83 programs from 19 private universities
- 5 years accreditation validity



IABEE





- ☐ An accreditation agency for engineering higher education program
- ☐ IABEE **is not** a LAM-PS. IABEE accreditation is **voluntary**, unlike the mandatory accreditation by LAM-PS
- ☐ A means to improve **quality** of engineering higher education and **accountability** to the society by implementing **OBE**
- ☐ Currently in the process of applying for the provisional status of the *Washington Accord* (WA) in 2019
- ☐ WA is a multilateral agreement between the institutions responsible for engineering higher education accreditation that works together to help the mobility of engineering practitioners





IABEE ...



- WA requires that the accrediting body be independent of the government (NGO)
- ☐ Therefore, IABEE is established as an autonomous department within the Institution of Engineers Indonesia (PII)
- ☐ IABEE was initiated by DGHE with the support from JICA
- □ Declared in November 19, 2015; inaugurated in March 13, 2018



Importance of IABEE Accreditation

- ☐ For students and graduates
 - Gain education basics that meet global standards, in line with science and technology development, support career and professional success, and wider employment opportunities.
- ☐ For programs and education institutions
 - By voluntary nature, programs demonstrate a commitment to provide quality education and global recognition.
- ☐ For industry, government and stakeholders
 - Opportunity to provide feedback on employment needs, facilitate professional mobility, more accountable to the community.



JICA Project for IABEE

- ODA (Official Development Assistance)
- ☐ The Indonesian Government requested the Japanese Government to assist Indonesia to establish an international level accreditation body for engineering education in 2013
- ☐ Signing cooperation between DGHE with JICA in 2014
- ☐ JICA (Japan International Cooperation Agency) made a contract with JABEE to prepare and implement a 5-year technical cooperation project (2014-2019)



Scope of Project

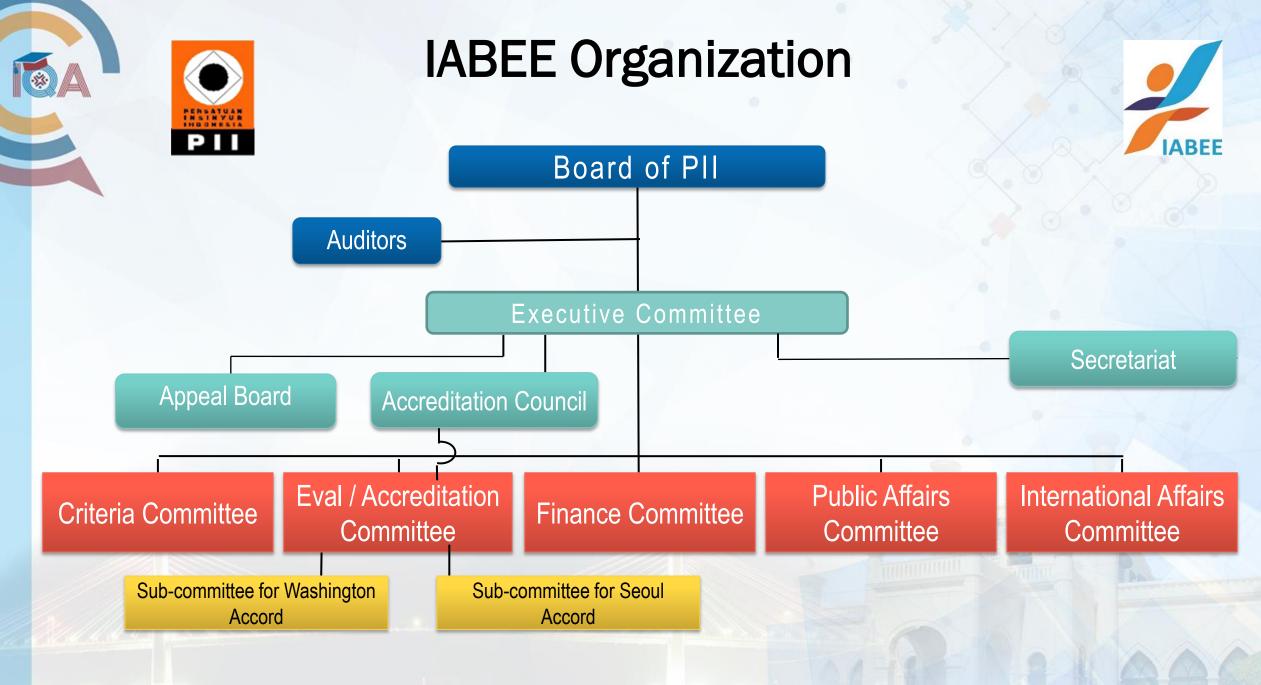
- ☐ Development of accreditation criteria
- ☐ Training IABEE key personnels in different countries (evaluator trainers training)
- Development of program evaluation procedure and instruments
- ☐ Training evaluators in Indonesia (250 evaluators)
- ☐ Socialization to education institutions
- Pilot accreditations
- 25 programs accreditation by 2019
- ☐ Provisional status in WA in 2019



Project Overall Goals

3-5 years after project completion

- ☐ Engineering education in Indonesia will be shifted from input-based teaching to outcome-based learning
- □ 10% of 2,500 S1 programs will be accredited at international level
- ☐ Signatory status of the Washington Accord





IABEE Accreditation Principles

- □ Voluntary, internally driven (program attitude towards quality); and therefore accreditation is not the purpose, rather a means for improvement
- Accreditation is based on *Learning Outcomes*, which is self-determined by the program according to the vision, identity and uniqueness, resources, and user needs; and therefore accreditation is not to rank nor to compare among programs
- ☐ International *equivalency* (IEA graduate attributes)
- ☐ Third-party evaluation (independent, autonomous, NGO)
- □ Accountable to society (outcome-based, answering the need of stakeholders)



Engineering Program Accreditation

BAN PT

- Compulsory
- Input-based evaluation
- One size fits all criteria
- Ranking system
- National level

IABEE

- Voluntary
- Outcome-based
- Field specific criteria
- No ranking
- International level
- Continual improvement

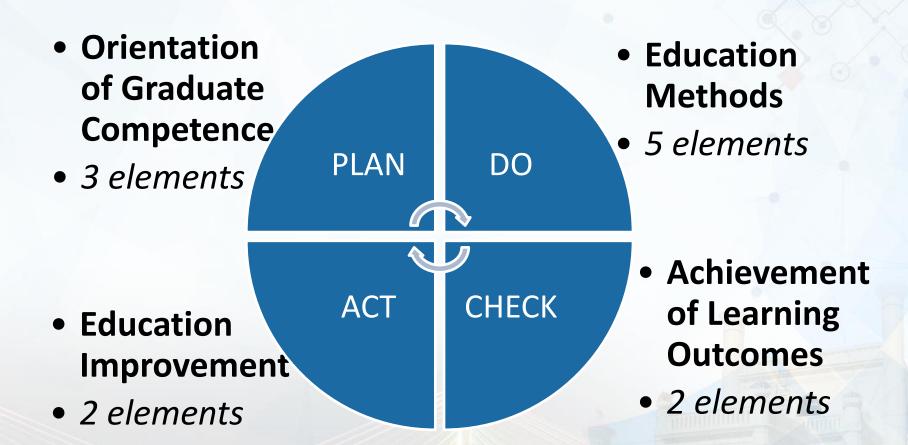


IABEE Accreditation Criteria

- To be accredited, a program shall meet
- Accreditation Criteria
 - Common Criteria
 - Criteria Guide (13/19 Chapters of PII)
 - Discipline Criteria
 - Category Criteria (S1, S2 and S3)
- ☐ Rule and Procedure of Evaluation and Accreditation

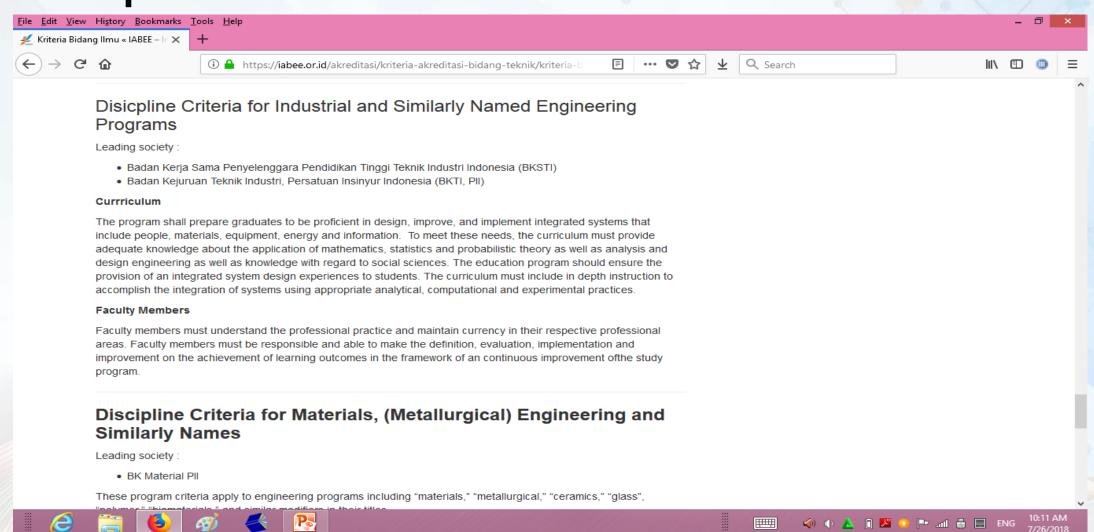


IABEE Common Criteria





Discipline Criteria



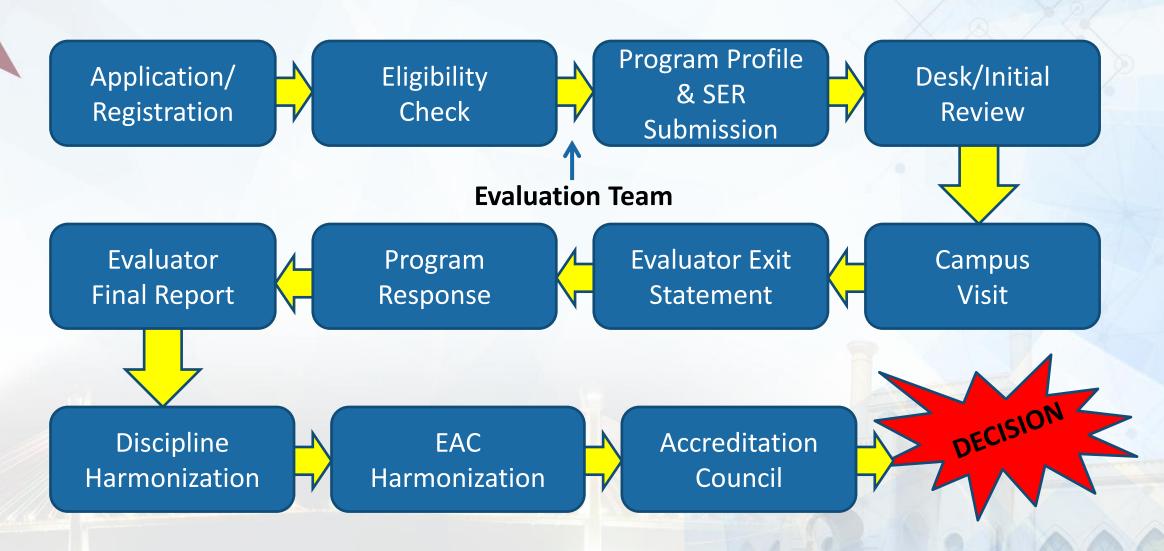


Accreditation Category

- ☐ General Accreditation, intended for programs that have implemented outcome-based education system and at the time of the evaluation process has produced graduates with the system
 - > A-accredited program; min B-accredited institution
- ☐ Provisional Accreditation, intended for programs that have implemented outcome-based education system and at least the first year students have completed learning with the system.
 - Min B-accredited program and institution

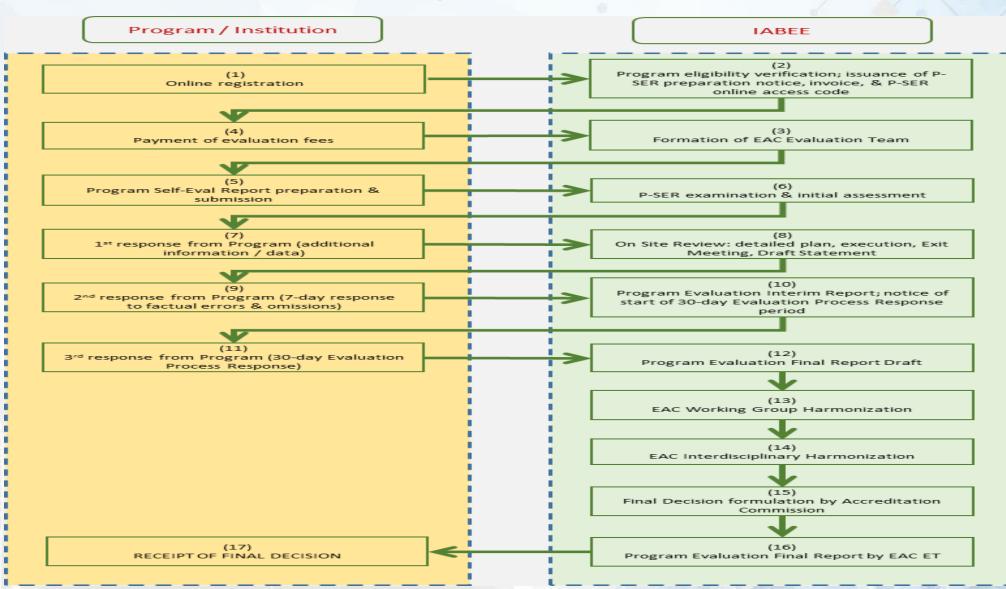


Accreditation Procedure





Online Evaluation System





Evaluation Team

- ☐ Consists of 3 evaluators, typically
 - 2 academics
 - 1 industry/practitioner
 - (optional) observers: evaluator-in-training, interested parties
- ☐ Evaluator competence
- ☐ Ethics (evaluator code of conduct)
- Conflict of interest



General Accreditation Decision

- ☐ Accredited for a 5-year period
- □ Accredited for a 3-year period, followed by interim evaluation without site visit
- ☐ Accredited for a 3-year period, followed by interim evaluation with site visits
- Not accredited



IABEE Key Personnel International Training

- ☐ 44 experts at 3 training at JABEE
- ☐ 14 experts at 6 training at ABET
- ☐ 5 experts to CAST's on-site evaluation
- ☐ 3 experts to EA's on-site evaluation
- ☐ Observer at 4 pilot accreditations with JABEE
- More than 20 socialization seminars on WA, IABEE, and OBE to universities



Candidate Evaluator Training





Progress of IABEE

Year	Activity
2013	Establish Steering and Criteria Committees
2014	 Develop Accreditation Criteria Disseminate OBE, IABEE and WA to universities (> 20)
2015	 Establish technical committees: EAC, International and Public Affairs, Finance, Accreditation Council Conduct international training of key personnel (66)
2016	 Develop Rule and Procedure of Accreditation Develop Web and Online Evaluation System; Conduct program accreditation (2 programs GA) Develop Evaluator Training Materials

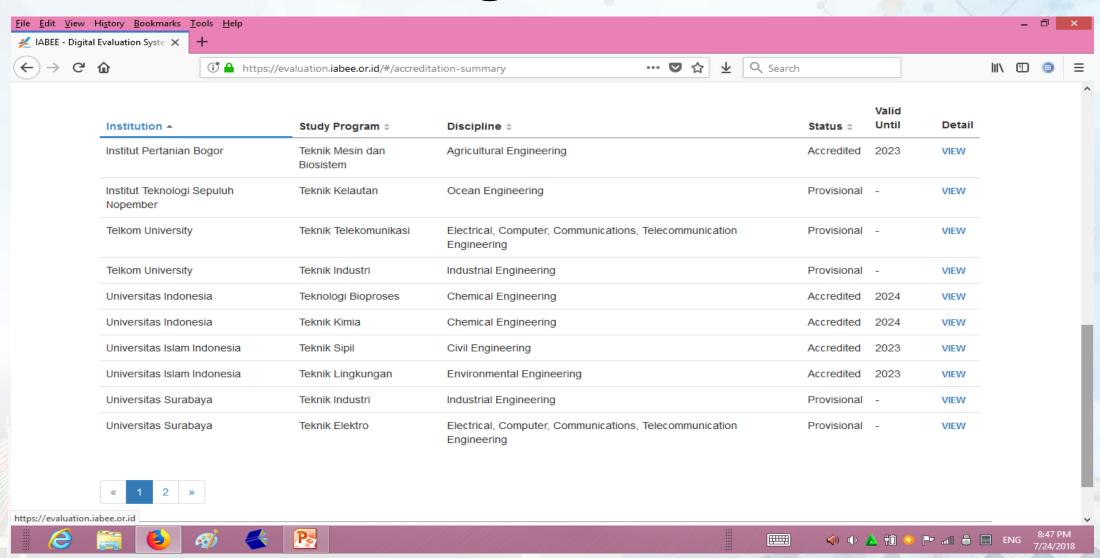


Progress of IABEE ...

Year	Activity
2017	 Conduct program accreditation ➤ 3 programs GA ➤ 6 programs PA Conduct Evaluator Training (11 participants)
2018	 Conduct program accreditation ➤ 27 programs GA ➤ 22 programs PA Conduct Evaluator Training (59 participants) Prepare proposal for WA membership
2019	 Apply for Provisional Membership of WA Conduct accreditation and Evaluator Training

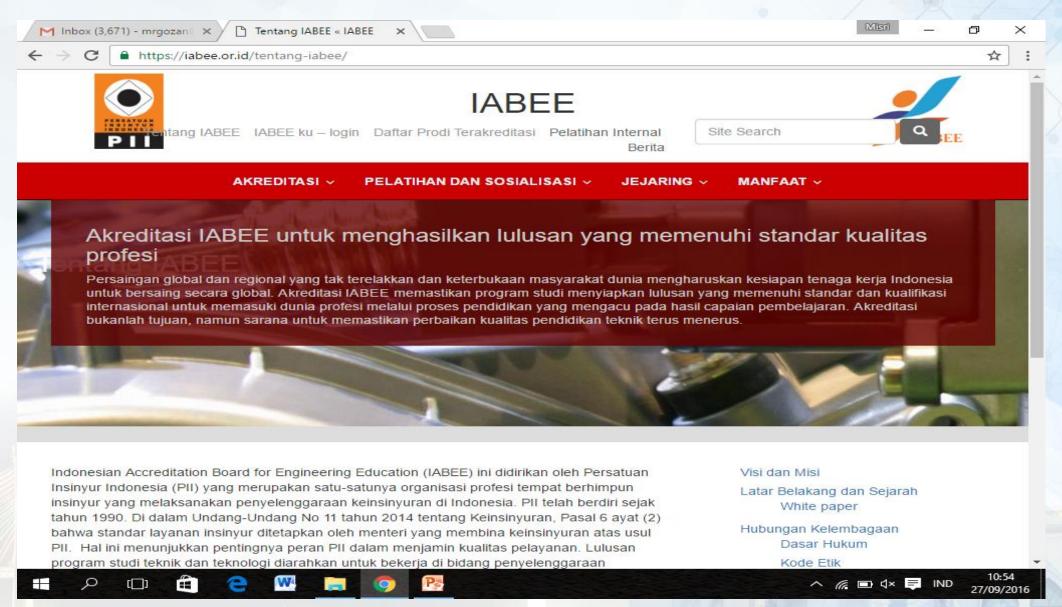


IABEE Accredited Programs





IABEE Website





THANK YOU



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