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KAN
Komite Akreditasi Nasional
LABORATORIUM PENGUJI
LP - 891 - IDN

Quality System
Quality
Endorsed
Company
ISO 9001:2008
Certified by
SAI GLOBAL

 **polman**
BANDUNG
POLYTECHNIC FOR
MANUFACTURING

Focus on
Community
Services

- Polytechnic/Vocational Education & Training Development
- Industrial Training
- Production
- Education & Engineering Consultation
- Engineering & Development

Vocational Oriented Education

Politeknik Manufaktur Bandung is a polytechnic institution implementing Production Based Education (PBE).





About Polman

Politeknik Manufaktur Bandung started their education in Diploma 3 (D3) program. It manages four departments: 5 study programs for Diploma 3 and 8 for bachelor's degrees in applied science (D4). The departments are Manufacturing Engineering (ME), Manufacturing Design Engineering (DE), Foundry Engineering (FE), Manufacturing Automation, and Mechatronics (AE).

Politeknik Manufaktur Bandung is now in the process of developing a master's degree program in applied science.

Education Program

The education program at POLMAN Bandung is carried out with the Industry-Based Learning (IBL) system. It applies Production-Based Education (PBE) and the 3-2-1 Co-operative model (two semesters of internship in the industry). Students can implement their theoretical and practical skills in PBE and 3-2-1 models.

Students have the benefits of gaining industrial experiences directly to acknowledge and understand how to perform and carry out production activities in the actual industry environment. Students are trained and prepared with appropriate science and engineering skills to become professional and skilled workforces who have high discipline and work ethic in their field.

Vision

Become A Leading Institution in Education and Training, Engineering and Development, and the implementation of Manufacturing Technology which is Globally Recognized.

Mision

Provide Competent Human Resources in Manufacturing Technology, Innovative, Responsive to the Local Challenges and Capable to Compete Globally through the implementation and development of Education and Training, Consultancy, Engineering and Production".



Study Program

Precision Tools Manufacturing Technology (D-III)

Provide competent technicians in preventive maintenance and repair for industrial machinery.

Mechanical Maintenance (D-III)

Provide competent technicians in producing/replacing spare parts and special industrial machinery.

Manufacturing Technology (D-III)

Provide competent design constructors in precision tools design such as plastic molding, press tool, and jigs & fixtures.

Precision Tools Design Technology (D-III)

Provide competent design constructors in designing the general machine, engineering components, and special machines.

Foundry Technology (D-III)

Provide competent technicians in designing and manufacturing casting products, including mould pattern, material processing, and post-processing.

Bachelor of Engineering Program (D-IV)

This program produces graduates who can carry out complex work based on their specific professional competencies, including the skills of planning, conducting activities, and solving problems with their responsibilities at a certain level, following the development of knowledge and technology in their fields.

The Study Program in D-IV

1. Manufacturing Engineering Technology
2. Engineering Technology Management
3. Manufacturing Design Engineering Technology
4. Mechanical Design Engineering
5. Advanced Materials Engineering
6. Mechatronics Engineering Technology
7. Automation Engineering Technology
8. Industrial Informatics Engineering Technology



After finishing the Bachelor of Engineering Program (D-IV), students hold the academic qualification title of Sarjana Terapan Teknik (S.Tr.T) or Bachelor of Engineering.

The learning outcomes of the Bachelor of Engineering Program are to:

1. Master the basic science and skills in the specific field so that they can find, understand, explain, and formulate solutions to the problems concerning their competencies.
2. Apply their knowledge and skills concerning their skills in production activities and services to society in such an appropriate manner.
3. Perform in such a reasonable manner and attitude when working within their fields and living in society.
4. Follow the development of knowledge and technology concerning their fields.



Main Education Facilities

Laboratory of Manufacturing Engineering Technology

The laboratory is completed with more than 200 conventional, semi-modern and modern machines. More than 10 CNC (Computer Numerically Controlled) machines completed with Flexible Manufacturing System and transfer line with handling robot.

Laboratory of Manufacturing Automation and Mechatronics

Automation Laboratory Electrical Engineering Laboratory, Analog Electronics Laboratory, Installation and Electrical Machine Laboratory, Power Electronics Laboratory, Control System and Robotics Laboratory, Digital and Microprocessor Laboratory, Informatics and Computer Laboratory, Production Laboratory, and its equipment.

Laboratory of Manufacturing Design

There are two Drawing Studios completed with 48 tables and drawing machines; three Computer Laboratories completed with CAD (Computer Aided Design) and CAE (Computer Aided Engineering)

equipped with the newest software version such as Auto CAD, Pro Engineering Mold Flow, Pam Stamp, Printer, Plotter, and other computer equipment.

Laboratory of Pattern and Foundry

It is equipped with machines and metal foundry equipment, like Sand Plant, Cold Blast Cupola, Oil-Fire Furnace, Moldings, Core making, etc. It is also completed with Metallographic & Spectrometer Laboratory, Chemistry Laboratory, Sand Test, and Non-Destructive Test (NDT).



Campus 2 Politeknik Manufaktur Bandung

Politeknik Manufaktur Bandung needs to take development steps to respond to more rapid technical developments and welcome the era of the industrial revolution 4.0 by enhancing current Study Programs and developing new Study Program programs relevant to the National industrial development plan.

Therefore, Politeknik Manufaktur Bandung has planned to build Politeknik Manufaktur Bandung campus 2 in Majalengka, which will accommodate 40 new study programs with a student body of over 16,000 students.

Campus 2 Politeknik Manufaktur Bandung is an essential milestone in Polman's vision to become a leading institution in the education, development, and application of world-class manufacturing technology.



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