





# **PROSPECTUS**

CIVIL ENGINEERING **ENGINEERING FACULTY** MUHAMMADIYAH UNIVERSITY OF SUMATERA BARAT

















#### STUDY PROGRAM PROFILE

The Civil Engineering Study Program, Faculty of Engineering, Muhammadiyah University of Sumatera Barat currently manages the Undergraduate Civil Engineering Study Program (S-1 Civil Engineering). Based on the Decree of the Minister of Education and Culture of the Republic of Indonesia, it was granted Registered Status for Mechanical Engineering, Civil Engineering and Electrical Engineering. In 2010 the Civil Engineering Study Program received a Decree on the Establishment of the Undergraduate Program (S1) for the Civil Engineering Study Program FT UMSB No.1458/D/T/K-X2010. In 2021 the accreditation of the Civil Engineering Study Program will receive B accreditation from BAN-PT with SK 13888/SK/BAN-PT/Ak-PPJ/S/XII/2021.

### VISION AND MISSION

#### Vission

Excellent study program in modern civil engineering design with environmental insight and local wisdom based on Islamic values, in 2025.

#### <u>Mission</u>

- 1. Implement and develop Tridharma higher education
- Contribute to civil-engineering technology that is environmentally sound
  according to the times by paying attention to local wisdom based on Islamic
  values.
- Implement and develop cooperation with other higher education institutions, local governments, and construction services.



- 1. Soil Mechanics Laboratory
- Concrete and Materials Laboratory
- 3. Soil Measurement Laboratory
- 4. Computer and Design Laboratory
- 5. Fluid Mechanics and Hydraulics Laboratory
- 6. Road Pavement Laboratory



The Civil Engineering Study Program is to become (a) a Muslim scholar who has faith and piety, (b) is able to adapt to the environment both within and outside the field of science, (c) is able to develop a career (rank and position) and continue his studies to a higher level (Masters and Doctors), (d) have qualifications and scientific competence in the civil field in accordance with the vision and mission of the study program. For this reason, the courses that are directly related to the main competencies are the following courses:

- a. Soil mechanics
- b. Concrete Structure
- c. Steel Structure
- d. Structure Analysis

- e. Foundation Design.
- f. Roads and Transportation.
- g. Irrigation and waterworks
- h. Budget plan
- i. Project management
- j. Engineering drawing.



Ir. MULYADI, M.T.
Architecture



FEBRIMEN HERISTA, S.T., M.T.

Construction Management



Ir. SURYA EKA PRIANA, M.T.

Construction Management







JON HAFNIL, S.T., M.T.

Disaster Risk Management



**ZUHELDI, S.T., M.T.**Disaster Risk Management



YORIZAL PUTRA, S.T., M.T. Geotechnical Engineering







ADE USRA BERLI, S.SI., M.SI. Physics

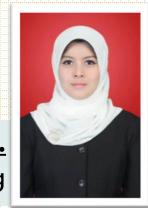






ASIYA NURHASANAH HABIRUN, S.ST., M.ENG.
Structural Engineering







ENDRI, S.T., M.T.
Transportation



HELGA YERMADONA, S.Pd., M.T.

Transportation



ISHAK, S.T., M.T.
Transportation







#### Ir. ANA SUSANTI YUSMAN, M.ENG.

Water Resources Development

SELPA DEWI, S.T., M.T.
Water Resources Development

