



PROFIL LABORATORIUM MATERIAL DAN STRUKTUR DEPERTEMEN TEKNIK SIPIL UNIVERSITAS ANDALAS

Visi

Menjadi laboratorium yang kredibel untuk pengujian material dan struktur, analisis dan perencanaan struktur bertaraf nasional dan internasional pada tahun 2027

Misi

- Melayani praktikum mahasiswa Teknik Sipil UNAND dan perguruan tinggi swasta di wilayah Sumatera Barat
- Melayani pengujian material
- Melayani pengujian struktur dan komponen struktur secara statik monotonic dan siklik
- Melayani Building Assesment pada bangunan bertingkat
- Melayani Perencanaan struktur
- Menyelenggarakan Pelatihan-pelatihan desain struktur

Praktikum dan Tugas Besar yang Dilaksanakan

- Praktikum Teknologi Bahan Konstruksi
- Tugas Besar Mekanika Rekayasa I
- Tugas Besar Mekanika Rekayasa II
- Tugas Besar Mekanika Rekayasa III
- Tugas Besar Mekanika Rekayasa IV
- Tugas Besar Struktur Beton Bertulang II
- Tugas Besar Struktur Baja I
- Tugas Besar Struktur Baja II

DOSEN LABORATORIUM MATERIAL DAN STRUKTUR



Sabril Haris HG, ST, MT, Ph.D

**Kepala Laboratorium Material dan Struktur 2022 – 2026 /
Dosen Kelompok Keahlian
Rekayasa Struktur**

Pendidikan:

S1: Teknik Sipil ITB

S2: Teknik Sipil ITB

S3: Norwegian University of Science and Technology,
Norway

Research Interest:

- Earthquake Resistant Structures
- Composite Structures
- Cold Formed Steel



Prof. Dr.Eng. Ir. Zaidir, MS

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil ITB

S2: Teknik Sipil ITB

S3: Nagaoka University of Technology, Japan

Research Interest

- Advanced Cement Based Material
- FRP Materials
- Fiber Reinforced Concrete
- High Performance Concrete



**Dr.Eng. Ir. Febrin Anas Ismail,
MT**

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil ITB

S2: Teknik Sipil ITB

S3: Yokohama National University, Japan

Research Interest

- Assessment & Retrofitting Structures
- Non-Engineered Building
- Passive Controls



**Prof. Dr.Eng. Ir. Jafril Tanjung,
MT**

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: Teknik Sipil ITB

S3: Toyohashi University of Technology, Japan

Research Interest

- Earthquake Resistant Structures
- Reliability Based Design
- Non-Engineered Building
- Precast Concrete
- Fiber Reinforced Concrete
- Computer Aided Design Tools



Jati Sunaryati, ST, MT, Ph.D

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: Teknik Sipil ITB

S3: Universiti Teknologi Malaysia

Research Interest

- Reliability Based Design
- Passive Controls
- Computer Aided Design Tools



**Prof. Dr.Eng. Rendy Thamrin,
ST, MT**

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: Teknik Sipil ITB

S3: Toyohashi University of Technology, Japan

Research Interest

- Earthquake Resistant Structures
- Assessment & Retrofitting Structures
- Composite Structures
- FRP Materials
- Fiber Reinforced Concrete
- Research and Teaching Software
- Computer Aided Design Tools



Dr. Ruddy Kurniawan ST, MT

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: Teknik Sipil ITB

S3: Teknik Sipil ITB

Research Interest

- Earthquake Resistant Structures
- Reliability Based Design
- High Performance Concrete
- Computer Aided Design Tools



Riza Aryanti, ST, MT

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: Teknik Sipil ITB

Research Interest

- Earthquake Resistant Structures
- Precast Concrete
- High Performance Concrete



Oscar Fithrah Nur, ST, MT

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: Teknik Sipil ITB

Research Interest

- Earthquake Resistant Structures
- Assessment & Retrofitting Structures
- Precast Concrete
- Passive Control



Prof. Dr.Eng. Fauzan, ST, M.Sc.

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: The University of Sheffield

S3: Toyohashi University of Technology, Japan

Research Interest

- Assessment & Retrofitting Structures
- Non-Engineered Building
- Composite Structures
- FRP Materials
- Fiber Reinforced Concrete
- High Performance Concrete
- Waste Material in Concrete



Masrilayanti, ST, M.Sc, Ph.D

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: University of Newcastle Upon Tyne

S3: University of Salford

Research Interest

- Reliability Based Design
- Non-Engineered Building
- Passive Control



Nidiasari, ST, MTY

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: Teknik Sipil ITB

Research Interest

- Earthquake Resistant Structures



Ridho Aidil Fitrah, ST, MT

Dosen Kelompok Keahlian
Rekayasa Struktur

Pendidikan:

S1: Teknik Sipil Universitas Andalas

S2: Teknik Sipil Universitas Andalas

Research Interest


- Modular Structures




ASISTEN LABORATORIUM MATERIAL DAN STRUKTUR

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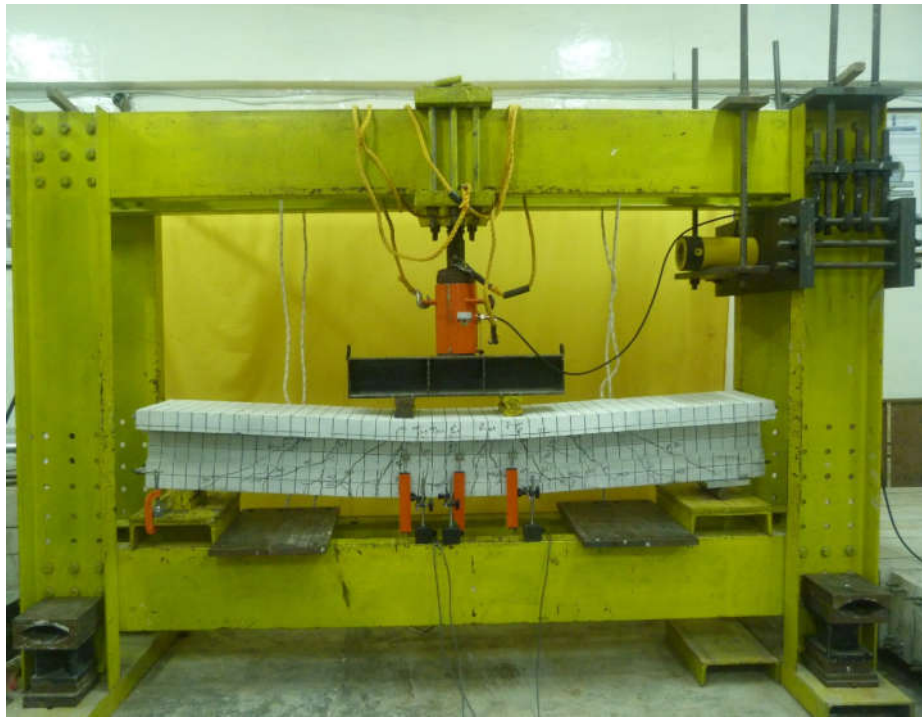
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ALAT UNGGULAN LABORATORIUM MATERIAL DAN STRUKTUR



Frame dan Set-up Pengujian Komponen Struktur dengan Hydraulic Jack Single Acting Cylinder (Pembebanan monotonic dapat dilakukan secara Horizontal atau Vertikal)



Frame dan Set-up Pengujian Komponen Struktur dengan Hydraulic Jack Double Acting Cylinder (Pembebanan monotonic maupun siklik dapat dilakukan secara Horizontal atau Vertikal)