

RESEARCH LABORATORY

📍 Komplek Industri WIKABeton
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DESCRIPTION

The Research Laboratory of PT Wijaya Karya Beton Tbk is a laboratory capable of implementing National and International Standards in carrying out its duties and functions, in accordance with the quality policy of the Research Laboratory that has been integrated with the SNI ISO/IEC 17025:2017 quality system.

In its performance, the Research Laboratory also always provides support to the internal units of PT Wijaya Karya (Persero) Tbk to maximize their performance.

The Research Laboratory of PT Wijaya Karya Beton Tbk is equipped with adequate and calibrated equipment to achieve the accuracy of test results, as well as competent resources and experts in their fields to provide the required testing services according to their testing capabilities.

The Research Laboratory is supported by appropriate and calibrated equipment in performing its functions according to its testing capabilities.

Ultrasonic Pulse Velocity



GPR Live Locator



Hammer Test



Pundit Array



Tensile Strength Test



Compressive Strength Test



OUR SERVICES



The Research Laboratory is equipped to perform the necessary tests to determine the quality of materials, concrete, steel, and products, including:

Concrete Test

- Fresh Concrete Air Content Test
- Mortar Setting Time Test
- Initial Cement Setting Time Test
- Fresh Concrete Slump Test
- SCC Concrete Parameters Test
- Concrete Cylinder/Cube Compressive Strength Test
- Rubber Bearing Compressive Test
- Dry Shrinkage Test on Concrete
- Beam Bending Test
- Concrete Modulus of Elasticity Test
- Hammer Test
- UPV (Ultrasonic Pulse Velocity) Test
- Rebar Scan/Locator Test
- Concrete Cover Thickness Test
- Void/Air Pocket Detection Test
- 3D Rebar Scan/Locator Test

Aggregate Test

- Mud Content
- Bulk Density / Volume
- Specific Gravity and Absorption of Aggregates
- Sieve Analysis
- Abrasion
- Water Content in Aggregates
- Organic Content
- Clay Lumps and Friable Particles

Rebar & Strand Test

- Tensile Strength
- Bending Strength

Product Test

- Bending and Shear Test

Soil Test

- CBR Test (California Bearing Ratio)