



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,  
RISET, DAN TEKNOLOGI  
UNIVERSITAS SYIAH KUALA  
**UPT. LABORATORIUM TERPADU**

Jl. Syech Abdurrauf No. 10, Kopelma Darussalam, Banda Aceh 23111  
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## Harga Pengujian Laboratorium Geoteknik

Harga pengujian berikut berlaku sejak 23 Februari 2023.

| NO       | PEKERJAAN   | HARGA****)      | SATUAN            |
|----------|---|-----------------|-------------------|
| <b>A</b> | <b>In Situ Test</b>   |                 |                   |
| 1        | Undisturbed Sample (UDS) / Disturbed Sample (DS)                    | Rp 200,000.00   | Point             |
| 2        | Hand Bored (max. 5,0 m depth)                                       | Rp 1,500,000.00 | Point             |
| 3        | Standard Penetration Test (SPT)                                     | Rp 200,000.00   | Tes               |
| 4        | Dutch Cone Penetration Test / Sondir (max. 250 kg/cm <sup>2</sup> ) | Rp 1,350,000.00 | Point             |
| 5        | Dynamic Cone Penetration (DCP)                                      | Rp 250,000.00   | Point             |
| 6        | Field Density (Sand Cone)   | Rp 300,000.00   | Point             |
| 7        | Field CBR   | Rp 400,000.00   | Point             |
| 8        | Test Pit - Disturbed Sample (max. 5,0 m depth)                      | Rp 1,500,000.00 | Point             |
| 9        | Field Permeability Test   | Rp 350,000.00   | Point             |
| 10       | Machine Bored (Wash Boring)   | Rp 400,000.00   | m-depth           |
| 11       | Machine Bored with Core Drilling (Dry Boring)                       | Rp 750,000.00   | m-depth           |
| 12       | Core Box  | Rp 200,000.00   | Unit              |
|          |   |                 | <b>Subtotal A</b> |
| <b>B</b> | <b>Laboratory Test</b>  |                 |                   |
| 1        | Water Content   | Rp 50,000.00    | Sampel            |
| 2        | Unit Weight   | Rp 50,000.00    | Sampel            |
| 3        | Specific Gravity  | Rp 100,000.00   | Sampel            |
| 4        | Atterberg Limit - Liquid Limit                                      | Rp 75,000.00    | Sampel            |
| 5        | Atterberg Limit - Plastic Limit                                     | Rp 75,000.00    | Sampel            |
| 6        | Shrinkage Limit   | Rp 150,000.00   | Sampel            |

| <b>NO</b> | <b>PEKERJAAN</b>  | <b>HARGA****)</b> | <b>SATUAN</b>     |
|-----------|---|-------------------|-------------------|
| 7         | Grain size Analysis (Sieve and Hydrometer analysis)                 | Rp 200,000.00     | Sampel            |
| 8         | Compaction (Standard Proctor)                                       | Rp 350,000.00     | Sampel            |
| 9         | Modified Compaction (Modified Proctor)                              | Rp 400,000.00     | Sampel            |
| 10        | CBR Laboratorium Unsoaked (Soaked +Rp.250.000)                      | Rp 400,000.00     | Sampel            |
| 11        | Direct Shear  | Rp 300,000.00     | Sampel            |
| 12        | Unconfined Compression Strength (UCS)                               | Rp 300,000.00     | Sampel            |
| 13        | Permeability  | Rp 300,000.00     | Sampel            |
| 14        | Triaxial UU   | Rp 350,000.00     | Sampel            |
| 15        | Triaxial CU/CD  | Rp 650,000.00     | Sampel            |
| 16        | Consolidation   | Rp 400,000.00     | Sampel            |
|           |   |                   | <b>Subtotal B</b> |
| <b>C</b>  | <b>Geological Analysis</b>  | -                 | Point             |
|           |   |                   | <b>Subtotal C</b> |
| <b>D</b>  | <b>Report and Analysis</b>  |                   |                   |
| 1         | Simple Report (2 copies + 1 backup CD)                              |                   | Set               |
| 2         | Analysis and Report (2 copies + 1 backup CD)                        |                   | Set               |
|           |   |                   | <b>Subtotal D</b> |
| <b>E</b>  | <b>Mob/Demob, Accomodation and Additional Cost for in situ test</b> |                   |                   |
| 1         | Mobilization/Demobilization   |                   |                   |
|           | a. In the City/Local transportation                                 |                   | Day               |
|           | b. Out of Banda Aceh  |                   | Day               |
| 2         | Moving on-Site, Accomodation and Security Cost                      |                   |                   |
|           | a. Moving on-Site   |                   | Day               |
|           | b. Accomodation   |                   | Day               |
|           | c. Security Cost  |                   | Day               |
| 3         | Additional Cost   |                   | Day               |
|           |   |                   | <b>Subtotal E</b> |

Note : \*) diluar biaya mobilisasi & demobilisasi dan akomodasi lapangan

\*\*\*\*) Harga pengujian belum termasuk PPN 11%