

Nomor : -  
 Perihal : **Penawaran Harga Uji Laboratorium**

Kepada Yth  
**Pimpinan**  
**CV. AIR MAHAKAM**  
 Di-

Tempat

Dengan hormat,  
 Sehubungan dengan rencana CV. AIR MAHAKAM yang akan melakukan Analisis Batuan dan/atau Tanah, untuk itu kami atas nama Management PT. VANDER GEO LABORATORY memberi penawaran harga uji sampel sebagai berikut

NO	TEST	OUTPUT	STANDARD	QTY	RATES
<b>A Preparation</b>					
1	Preparation Sample			1	85,000
2	Raw Material ( Coring ) :				
	- Igneous Rocks			1	180,000
	- Sedimentary rocks			1	120,000
<b>B Soil Mechanics</b>					
1	Natural Moisture Content	$\omega$	SNI 1965:2008	1	90,000
2	Spesific Gravity	Gs	SNI 1964:2008	1	90,000
3	Atterberg Limits :				
	- Liquid Limit Test	LL	SNI 1967:2008	1	90,000
	- Plastic Limit Test	PL	SNI 1966:2008	1	90,000
4	Bulk Density	$\rho$	SNI 03-3637-1994	1	90,000
5	Dry Density	$P_d$	SNI 03-3637-1994	1	90,000
6	Uniaxial Compressive Strength ( UCS )	$q_u$	SNI 3638-2012	1	360,000
7	Grain Size Analysis				
	- Sieve Analysis		SNI 3423-2008	1	110,000
	- Hydrometer		SNI 3423-2008	1	110,000
8	Triaxial UU, CU, CD				
	- Triaxial Unconsolidated Undrained		SNI 4813:2015	1	200,000
	- Triaxial Consolidated Undrained	$C, \phi$	SNI 2455-2015	1	550,000
	- Triaxial Consolidated Drained	$C, \phi$	SNI 2455-2015	1	550,000
9	Direct Shear Strength	$C_{peak}, \phi_{peak}, C_{app}, \phi_{app}$	ISRM 2007	1	390,000
10	Permeability	k	ISRM 2007	1	250,000
<b>C Rock Mechanics</b>					
1	Basic Pysical Properties	$P_{nat}, \rho_{dry}, \rho_{sat}, W, S_r, n, e$	ISRM 2007	1	180,000
2	Uniaxial Compressive Strength ( UCS )	$\sigma_c$	ISRM 2007	1	360,000
3	UCS + Deformation	$\sigma_c, E$	ISRM 2007	1	420,000
4	Point Load Index ( PLI )	Is	ISRM 2007	1	180,000

5	Direct Shear Strength	$C_{peak}, \phi_{peak}, C_{app}, \phi_{app}$	ISRM 2007	1	390,000
6	Brazilian Test	$\sigma_T$	ISRM 2007	1	180,000
7	Permeability		ISRM 2007	1	250,000
<b>D</b>					

Demikian Penawaran Harga ini kami sampaikan, yang nantinya dapat sebagai bahan pertimbangan. Atas perhatiannya kami ucapkan terimakasih.

Samarinda, 09 Desember 2024



**Donny A. Kismat, S.T**  
 Direktur Utama