

1. Analisa Daun

Meliputi analisa daun untuk menentukan kandungan unsur hara di daun dan status hara tanaman.

No.	Parameter	Digestion and Extraction Techniques	Method of Detection	Price (Rp)
1	Total N	Wet Digestion	Kjeldahl Titimetry	42.000
2	Phosphorus (P)	Dry Ashing	Spectrophotometry	42.000
3	Potassium (K)		Flamephotometry	34.000
4	Calcium (Ca)		AAS	34.000
5	Magnesium (Mg)			34.000
7	Chloride (Cl)	Dry Ashing	Titrimetry	38.000
8	Manganese (Mn)		AAS	34.000
9	Boron (B)			50.000
10	Copper (Cu)			34.000
11	Zinc (Zn)			34.000
12	Iron (Fe)			34.000
13	Natrium (Na) *		Flamephotometry	34.000
14	Sulfur	Wet Digestion	Gravimetry	60.000
15	Pengeringan Daun *	Microwave	Gravimetry	20.000
16	N,P,K,Mg,Ca			186.000
17	N,P,K,Mg, Ca,B			236.000
18	N,P,K,Mg,B,Ca,Cu,Zn,Mn,Fe			372.000
19	N,P,K,Mg,Ca,B,Cu,Zn,Mn,Fe,Cl,S			470.000

2. Analisa Tanah

Meliputi analisa kimia dan fisika sebagai berikut :

No.	Parameter	Test Method	Price (Rp)
1	Sample Preparation	Air/Sun Drying	15.000
2	Particle Size Distribution	Pipette	40.000
3	Organic Carbon / loss on ignition	Walkley &Black Titration / Ashing	40.000
4	Total N	Kjeldahl Titimetry	42.000
5	C.E.C	Tritimetry	72.000
6	Exch.Cation (K, Ca, Mg, Na) in 1 N NH4OAC pH7	Flamephotometry (K, Na) ; AAS (Ca, Mg)	72.000
7	Base Saturation (KB)	Electrometry	72.000
8	pH - H2O (1 : 2.5)		18.000
9	pH - KCl 0.01 N (1 : 2.5)		18.000
10	Available P (Bray I or II)	Spectrophothometry	30.000
11	25 % HCl P	Flamephotometry	35.000
12	25 % HCl K		35.000
13	C/N		50.000
Routine Analysis (1 to 12)			489.000
14	25 % HCl, Ca,Mg,Cu,Zn,Mn,Fe, Pb*, Cd* masing-masing	AAS	42.000
15	Conductivity / Salinity	Electrometry	18.000
16	Lime requirement *		40.000
17	Total P (Percloric/sulphuric)	Spectrophothometry	50.000
18	Boron in hot water		50.000
19	Exchangeable - Al + H	Titrimetry	40.000
20	Bulk Density *	Gravimetric	50.000
21	Particle Density*	Gravimetric	40.000
22	Porositas*	Gravimetric	35.000
23	Permiabilitas*	Volumetric	35.000
24	Minyak dan lemak*	Gravimetric	120.000

NOTES :

- Harga belum termasuk ppn 11%
- Untuk analisa daun, jika permintaan analisis hanya 1 elemen saja, maka dikenakan biaya persiapan sampel sebesar Rp20.000
- Jika sampel yang dianalisa hanya 1 sample maka biaya pengiriman ditanggung oleh pelanggan kami
- Harga dapat berubah sewaktu-waktu
- *Belum terakreditasi

3. Analisa Pupuk

Bertujuan untuk menentukan kualitas pupuk, apakah sudah sesuai dengan standar dan spesifikasi pupuk yang bersangkutan

No.	Parameter	Test Method	Price (Rp)
1	MOP/KCl (Moisture+K ₂ O) / Bunch Ash* (Moisture+K ₂ O)	MC - Oven; K ₂ O - Flamephotometry	130.000
2	Urea (Moisture + Total N)	MC - Desicator ; N - Kjeldahl Distillation	130.000
3	Urea (Moisture + Total N + Biuret)		260.000
4	ZA (Moisture+Total N)		130.000
5	ZA (Moisture+Total N+S)	MC - Oven ; N - Kjeldahl Distillation; S - Gravimetry	230.000
6	ZA (Moisture+Total N+S+Asam bebas sebagai H ₂ SO ₄)	MC - Oven ; N - Kjeldahl Titrimetry ; S - Gravimetry; H ₂ SO ₄ - titrimetry	360.000
7	DAP (Moisture+Total N+Total P ₂ O ₅)	MC - Oven ; N - Kjeldahl - Titrimetry ; P ₂ O ₅ - Spectrophotometry	230.000
8	DAP (Moisture+Total N+Total P ₂ O ₅ +Pb+Cd)	MC - Oven; MgO - AAS	330.000
9	Kieserite (Moisture+Total MgO)		130.000
10	Kieserite (Moisture+Total MgO+S)		260.000
11	Kieserite (Moisture+Total MgO+Water Soluble MgO)	MC - Oven; MgO - AAS; S - Gravimetry	230.000
12	Kieserite (Moisture+Total MgO+Water Soluble MgO+S)		320.000
13	RP/ TSP / SP36 (Moisture+Total P ₂ O ₅)		130.000
14	RP/ TSP / SP36 (Moisture+Total P ₂ O ₅ +CAS P ₂ O ₅)	MC - Oven; To tal /CAS / WS P ₂ O ₅ - Spectrophotometry	230.000
15	RP/ TSP / SP36 (Moisture+Total P ₂ O ₅ +CAS P ₂ O ₅ +WS P ₂ O ₅)		360.000
16	TSP (Moisture+Total P ₂ O ₅ +CAS P ₂ O ₅ +WS P ₂ O ₅ +H ₃ PO ₄ +Pb+Cd)		590.000
17	SP36 (Moisture+Total P ₂ O ₅ +CAS P ₂ O ₅ +WS P ₂ O ₅ +S+H ₃ PO ₄)		620.000
18	RP (Moisture+ Total P ₂ O ₅ +CAS P ₂ O ₅ +kehalusan 25 dan 80 Mesh+Pb+Cd)	MC - Oven; To tal /CAS / WS P ₂ O ₅ - Spectrophotometry; AAS	450.000
19	Dolomite (Moisture+Total MgO+Kehalusan 100 & 35 Mesh)	MC - Oven; MgO - AAS;Kehalusan - Sieving	170.000
20	Dolomite (Moisture+Total MgO+Total CaO+Kehalusan 25 & 80 Mesh+(Al ₂ O ₃ +Fe ₂ O ₃)+Daya netralisasi setara CaCO ₃)	MC - Oven; MgO/CaO - AAS; Kehalusan - Sieving	390.000
21	Dolomite (Moisture+Total MgO+Total CaO)	MC - Oven; MgO/CaO - AAS	170.000
22	NK (Moisture+N+K ₂ O)	MC - Oven ; N - Kjeldahl Distillation; K ₂ O - Flamephotometry	230.000
23	NPK (Moisture+N+Total P ₂ O ₅ +K ₂ O)	MC - Oven/ Desicator ; N - Kjeldahl Distillation; K ₂ O-Flamephotometry ;P ₂ O ₅ - Spectrophotometry ; MgO - AAS; B ₂ O ₃ - Carmine Spectrophotometry	265.000
24	NPK (Moisture+N+Total P ₂ O ₅ +K ₂ O+B ₂ O ₃)		370.000
25	NPK (Moisture+N+Total P ₂ O ₅ +K ₂ O+B ₂ O ₃ +Cu+Zn)		475.000
26	NPK (Moisture+N+Total P ₂ O ₅ +K ₂ O+MgO)		285.000
27	NPK (Moisture+N+Total P ₂ O ₅ +K ₂ O+MgO+B ₂ O ₃)		400.000
28	NPK (Moisture+N+Total P ₂ O ₅ +WS P ₂ O ₅ ; +K ₂ O+MgO+B ₂ O ₃)		520.000
29	NPK (Moisture+N+ Total P ₂ O ₅ +K ₂ O+MgO+B ₂ O ₃ +Cu+Zn)		500.000
30	NPVK (Moisture+N+ Total P ₂ O ₅ +CAS P ₂ O ₅ +P ₂ O ₅ CAS to Total+K ₂ O Total+K ₂ O HCl+K ₂ O HCL ke total +MgO+B ₂ O ₃)		750.000
31	HGFB - Borate (Moisture+B ₂ O ₃)	MC - Oven :B ₂ O ₃ - Carmine Spectrophotometry/ titrimetry	130.000
32	HGFB - Borate (Moisture+B ₂ O ₃ +Na ₂ O+S+Cd)	MC - Oven :B ₂ O ₃ - Carmine Spectrophotometry/ titrimetry; Na ₂ O - Flamephotometry; S - Gravimetry	440.000
33	ZnSO ₄ (Moisture+Zn)	MC - Desicator ; Zn - AAS; Cu - AAS; S - Gravimetry	130.000
34	ZnSO ₄ (Moisture+Zn+S)		230.000
35	CuSO ₄ (Moisture+Cu)		130.000
36	CuSO ₄ (Moisture+Cu+S)		230.000
37	ZinkCop (Moisture+Zn+Cu)		180.000
38	ZinkCop (Moisture+Zn+Cu +S)	MC - Desicator Fe -AAS	295.000
39	FeSO ₄ * (Moisture+Fe)		130.000
40	FeSO ₄ * (Moisture+Fe+S)	MC - Desicator ; Fe - AAS; S - Gravimetry	230.000
41	Parameter S	Gravimetry	130.000
42	Kehalusan 25; 35; 80; 100 mesh (@)	Sieving	60.000
43	LSD -CaCO ₃ - (Moisture+Total MgO+Total CaO) *	MC - Oven ; MgO/CaO - AAS	170.000
44	LSD - CaCO ₃ - (Moisture+Total MgO+Total CaO+ MgCO ₃ +CaCO ₃ +Kehalusan 1 jenis) *	MC - Oven; MgO/CaO - AAS; Kehalusan - Sieving	230.000
45	Kadar Air	Oven/ Desicator	130.000
46	Asam bebas sebagai H ₃ PO ₄ *	Titration	130.000
47	Kadar Al ₂ O ₃ +Fe ₂ O ₃ *	Titration	130.000
48	Daya netralisasi(dihitung setara CaCO ₃)*	Titration	130.000
49	Analisa Biuret pada pupuk Urea*	Spectrophotometry	130.000
50	Asam bebas sebagai H ₂ SO ₄ *	Titration	130.000
51	Kapasitas Tukar Kation*	Titration	130.000
52	Analisa Cl*	Titration	130.000
53	Analisa Cd/Pb *	AAS	130.000

NOTES :

- Harga belum termasuk ppn 11% dan dapat berubah sewaktu-waktu
- Setiap penambahan unsur pada jenis pupuk yang sudah ditentukan maka dikenakan biaya tambahan sebesar Rp 50.000 per parameter kecuali untuk penambahan unsur P₂O₅ total atau P₂O₅ CAS atau P₂O₅ WS, B₂O₃, S dikenakan biaya Rp130.000 per parameter
- Minimal pengiriman 2 sample untuk daerah Sumatera, di luar Sumatera minimal 3 sample atau biaya pengiriman hasil analisa ditanggung oleh pelanggan kami jika sampel yang dianalisa hanya 1 contoh saja
- *Belum terakreditasi

4. Analisa CPO

Meliputi analisa kimia dan fisika sebagai berikut :

No.	Parameter	Test Method	Price (Rp)
1	VOLATILE MATTER	Oven	35.000
2	FFA	Titrimetry	65.000
3	Carotene + DOBI	Spectrophotometry	140.000
4	Analisa (FFA, VM, Dirt, Carotene + DOBI)	Titrimetry/Spectrophotometry	250.000
5	Peroxide Value (PV)	Titrimetry	85.000
6	Iodine Value (IV)		100.000
7	Dirt	Gravimetry	60.000
8	Analisa P, Boron, Fe, Cu , Zn - Harga per parameter	"P & B Spectrophotometry Fe,Cu,Zn - AAS"	130.000
9	Analisa P, Boron, Fe, Cu dan Zn (Komplit)		360.000

5. Analisa POME (Air Limbah)

No.	Parameter	Test Method	Price (Rp)
1	BOD	5 Days Incubation - Titrimetry	100.000
2	COD	Refluks - Titrimetry	130.000
3	TSS	Gravimetry	50.000
4	TS		50.000
5	Oil & Grease	Separating Funnel	60.000
6	Alkalinity	Titrimetry	35.000
7	Am N	Titrimetry	42.000
8	N Kjeldahl	Titrimetry	42.000

6. Analisa Kompos/ POME (Air Limbah)

No.	Parameter	Test Method	Price (Rp)
1	pH	Electrometry	25.000
2	Moisture	Oven	25.000
3	Loss on Ignition /Bahan Organik	Ashing	50.000
4	Organic Carbon	Walkley &Black Titration	40.000
5	CEC	Titrimetry	72.000
6	Boron	B Carmine Spectrophotometry	140.000
7	N, K, Moisture	N - Kjeldahl Distillation; K2 O - Flamephotometry	215.000
8	N, P, K, Moisture	N - Kjeldahl Distillation; K2 O - Flamephotometry P- Spectrophotometry ; Mg/Cu/Zn/Mn/Fe-AAS; B-Carmine Spectrophotometry	265.000
9	N, P, K, Mg, Moisture		285.000
10	N, P, K, Mg, B, Moisture		370.000
11	OC, BO, N, P, K, Ca, Mg, B, Fe, Mn, Cu, Zn, pH (satu paket)		643.000
12	Total Ca, Fe, Mn, Cu, Zn , <u>Cd</u> , <u>Pb</u> harga per parameter	B-Carmine Spectrophotometry	50.000
13	<u>C/N</u>		50.000

7. Mill Product & Bunch Analysis Charges

No.	Parameter	Test Method	Price (Rp)
1	Oil Losses in Kernel; Press Fibre; Sludge		100.000
2	Bunch analysis		200.000

- NOTES :
- Harga belum termasuk ppn 11%
 - Untuk analisa daun, jika permintaan analisis hanya 1 elemen saja, maka dikenakan biaya persiapan sampel sebesar Rp 75.000
 - Jika sampel yang dianalisa hanya 1 sample maka biaya pengiriman ditanggung oleh pelanggan kami
 - Harga dapat berubah sewaktu-waktu
 - Parameter yang di bold dan Underline belum terakreditasi