

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 Titrimetry	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)		Titrimetry		38,000
8	Manganese (Mn)	Dry Ashing	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	N,P,K,Mg,Ca			186,000	
16	N,P,K,Mg, Ca,B			236,000	
17	N,P,K,Mg,B,Ca,Cu,Zn,Mn,Fe			372,000	
18	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/LOI/ Organic matter	Walkley &Black Titration / Ashing	40,000
4	Total N	Kjeldahl Titrimetry	42,000
5	C.E.C	Titrimetry	72,000
6	Exch Cation (K, Ca, Mg) in 1 N NH ₄ OAC,pH7	Flamephotometry (K) ; AAS (Ca, Mg)	72,000
7	pH - H ₂ O (1 : 2.5)	Electrometry	18,000
8	pH - KCl 0.01 N (1 : 2.5)		18,000
9	Available P (Bray I or II)	Spectrophotometry	30,000
10	25 % HCl P		35,000
11	25 % HCl K		35,000
Routine Analysis (1 to 11)			417,000
12	25 % HCl, Ca,Mg,Cu,Zn,Mn,Fe, Cd* masing - masing	AAS	42,000
13	Conductivity	Electrometry	18,000
14	Lime requirement *		40,000
15	Total P (Perchloric/sulphuric)	Spectrophotometry	50,000
16	Boron in hot water		50,000
17	Exchangeable - Al + H		Titrimetry
18	Bulk Density *	Gravimetric	50,000
19	Particle Density*	Gravimetric	40,000
20	Porositas*	Gravimetric	35,000
21	Permiabilitas*	Volumetric	35,000
22	Minyak dan lemak*	Gravimetric	120,000

Note - Harga belum termasuk ppn 10 %
- Untuk analisa **daun**, jika permintaan analisis hanya 1 elemen saja, maka dikenakan biaya persiapan sampel sebesar **Rp. 20.000:** untuk **Limbah dan kompos** sebesar **Rp.75.000**
- Harga dapat berubah sewaktu-waktu
- * belum terakreditasi

4. Analisa CPO

Meliputi analisa kimia yang berhubungan dengan kualitas CPO

No.	Parameter	Test Method	Price (Rp)
1	VOLATILE MATTER	Oven	35,000
2	FFA	Titrimetry	65,000
3	β - Carotene + DOBI	Spectrophotometry	140,000
4	Analisa (FFA, VM, Dirt, β - Carotene + DOBI)		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 dan Zn - masing-masing *(jika analisa per individu)	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
8	Alkalinity *	Titrimetry	35,000
9	Am N *	Titrimetry	42,000
10	N Kjeldahl	Titrimetry	42,000
11	Volatile Suspended Solid *	Gravimetry	50,000

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		140,000
7	N, P, K, Moisture + *	N - Kjeldahl Distillation; K; O - Flamephotometry; P. Spectrophotometry; Mg/Cu/Zn/Mn/Fe-AAS; B- Carmine Spectrophotometry	265,000
8	N, P, K, Mg, Moisture + *		285,000
9	N, P, K, Mg, B, Moisture + *		370,000
10	OC, BO, N, P, K, Ca, Mg, B, Fe, Mn, Cu, Zn, pH (satu paket)		643,000
11	Total Ca, Fe, Mn, Cu, Zn, Cd masing-masing + *		50,000

3. Mill Product & Bunch Analysis Charges

No	Parameter	Price (Rp)
1	Oil Losses in Kernel; Press Fibre; Sludge	100,000
2	Bunch analysis	200,000
3	FFA pada Bunch analysis	130,000

7. 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/KCI (Moisture + K ₂ O) / <i>Bunch Ash</i> (Moisture + K ₂ O)	MC- Oven; K ₂ O- Flamephotometry	130,000
2	Urea (<i>Moisture</i> + Total N)	MC -Desicator ; N - Kjeldahl Distillation	130,000
3	ZA (Moisture + Total N)		130,000
4	ZA (Moisture + Total N + S)	MC -Oven ; N - Kjeldahl Distillation ; S -Gravimetry	230,000
5	Kieserite (Moisture + Total MgO)	MC -Oven; MgO-AAS	130,000
6	Kieserite (Moisture + Total MgO + Water Soluble MgO)		230,000
7	Kieserite (Moisture + Total MgO + Water Soluble MgO + S)	MC -Oven; MgO-AAS ; S - Gravimetry	320,000
8	RP (Moisture + Total P ₂ O ₅)	MC - Oven ; Total / CAS / WS P ₂ O ₅ . Spectrophothometry	130,000
9	RP (Moisture + Total P ₂ O ₅ + CAS P ₂ O ₅)		230,000
10	TSP / SP 36 (Moisture + Total P ₂ O ₅)		130,000
11	TSP / SP36 (Moisture + Total P ₂ O ₅ + Water Soluble P ₂ O ₅)		230,000
12	Dolomite (Moisture+Total MgO + Kehalusan 100 & 35 Mesh)	MC - Oven; MgO - AAS ; Kehalusan - Sieving	170,000
13	Dolomite (Moisture + Total MgO + Total CaO + Kehalusan 100 & 35 Mesh)	MC - Oven; MgO/CaO -AAS ; Kehalusan-Sieving	230,000
14	Dolomite (Moisture + Total MgO + Total CaO)	MC -Oven; MgO/CaO -AAS	170,000
15	NK (Moisture + N + K ₂ O)	MC -Oven ; N - Kjeldahl Distillation ; K ₂ O - Flamephotometry	230,000
16	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 Spectrophothometry ; MgO- AAS ; B ₂ O ₃ - Carmine Spectrophothometry	265,000
17	NPK (Moisture + N + Total P ₂ O ₅ + K ₂ O + $\frac{B_2O_3}{100}$)		370,000
18	NPK (Moisture + N + Total P ₂ O ₅ + K ₂ O + $\frac{B_2O_3}{100}$ + Cu + Zn)		475,000
19	NPK (Moisture + N + Total P ₂ O ₅ + K ₂ O + MgO)		285,000
20	NPK (Moisture + N + Total P ₂ O ₅ + K ₂ O + MgO + $\frac{B_2O_3}{100}$)		400,000
21	NPK (Moisture + N + Total P ₂ O ₅ + WS P ₂ O ₅ + K ₂ O + MgO + $\frac{B_2O_3}{100}$)		520,000
20	HGFB - Borate (Moisture + B ₂ O ₃)	MC- Oven : B ₂ O ₃ - Carmine Spectrophothometry	130,000
21	ZnSO ₄ (Moisture + Zn)		130,000
22	ZnSO ₄ (Moisture + Zn + $\frac{S}{100}$)		230,000
23	CuSO ₄ (Moisture + Cu)	MC - Desicator ; Zn-AAS ; Cu-AAS ; S - Gravimetry	130,000
24	CuSO ₄ (Moisture + Cu + $\frac{S}{100}$)		230,000
25	ZinkCop (Moisture + Zn + Cu)		180,000
26	ZinkCop (Moisture + Zn + Cu + S)		295,000
27	$FeSO_4$ (Moisture + Fe)	MC - Desicator Fe -AAS	130,000
28	$FeSO_4$ (Moisture + Fe + S)	MC - Desicator ; Fe -AAS ; S - Gravimetry	230,000
29	Parameter S	Gravimetry	130,000
30	Kehalusan 25; 35; 80; 100 mesh (@)	Sieving	60,000
31	LSD -CaCO ₃ - (Moisture + Total MgO + Total CaO)	MC - Oven ; MgO/CaO -AAS	170,000
32	LSD - CaCO ₃ - (Moisture + Total MgO + Total CaO + MgCO ₃ + CaCO ₃ + Kehalusan 1 jenis)	MC - Oven; MgO/CaO -AAS ; Kehalusan-Sieving	230,000
33	Kadar Air	Oven/ Desicator	130,000
34	Asam bebas sebagai H ₃ PO ₄ *	Titration	130,000
35	Kadar Al ₂ O ₃ + Fe ₂ O ₃ *	Titration	130,000
36	Daya netralisasi(dihitung setara CaCO ₃)*	Titration	130,000
37	Analisa Biuret pada pupuk Urea*	Spectrophotometry	130,000
38	Asam bebas sebagai H ₂ SO ₄ *	Titration	130,000
39	Kapasitas Tukar Kation*	Titration	130,000
40	Analisa Cl*	Titration	130,000
41	Analisa Cd*	AAS	130,000

New
New
New

Note : - Harga belum termasuk ppn 10% 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 Rp 130.000 per parameter