

## ANALISIS TANAH

KESUBURAN TANAH	<ul style="list-style-type: none"> <li>pH</li> <li>C-Organik</li> <li>Nitrogen</li> <li>Fosfor</li> <li>Kalium</li> <li>Kation dapat tukar (Ca<sup>2+</sup>, Mg<sup>2+</sup>, K<sup>+</sup>, Na<sup>+</sup>)</li> </ul>	<ul style="list-style-type: none"> <li>Kapasitas Tukar Kation</li> <li>Kemasaman dapat ditukar (Al, H)</li> <li>Tekstur 3 Fraksi</li> <li>Unsur Mikro Total</li> <li>Unsur Mikr Tersedia</li> <li>Total Logam Berat</li> </ul>
FISIKA TANAH	<ul style="list-style-type: none"> <li>Bulk Density (Bobot Isi)</li> <li>Particle Density (Kerapatan Partikel)</li> <li>Porosity (Ruang Pori Total)</li> <li>Permeabilitas</li> </ul>	
BIOLOGI TANAH	<ul style="list-style-type: none"> <li>Respirasi Tanah</li> <li>Total Fungi (Plate Count)</li> <li>Azospirillum sp</li> <li>Azotobacter sp</li> <li>Rhizobium sp</li> </ul>	<ul style="list-style-type: none"> <li>Bacillus sp</li> <li>Mikrob Pelarut Fosfat</li> <li>E coli</li> <li>Salmonella</li> </ul>

## ANALISIS PUPUK (Berdasarkan Permentan No. 01 Tahun 2019)

PUPUK ORGANIK CAIR	<ul style="list-style-type: none"> <li>C-organik</li> <li>pH</li> <li>N-Organik</li> <li>Nitrogen total</li> <li>P2O5 total</li> <li>K2O total</li> <li>Besi total</li> </ul>	<ul style="list-style-type: none"> <li>Mangan total</li> <li>Tembaga total</li> <li>Boron total</li> <li>Molibdenum total</li> <li>E.coli</li> <li>Salmonella sp</li> <li>Arsen</li> </ul>	<ul style="list-style-type: none"> <li>Raksa total</li> <li>Timbal</li> <li>Kadmium</li> <li>Kromium</li> <li>Nikel</li> <li>Natrium</li> <li>Klorida</li> </ul>
PUPUK ORGANIK PADAT	<ul style="list-style-type: none"> <li>Kadar Air (padat)</li> <li>C-Organik (padat)</li> <li>C/N Ratio</li> <li>Bahan ikutan (plastik, kaca, kerikil)</li> <li>pH</li> <li>Nitrogen total</li> <li>P2O5 total</li> <li>K2O Total</li> <li>Besi total</li> <li>Besi (Fe)-tersedia</li> <li>Seng (Zn) total</li> </ul>	<ul style="list-style-type: none"> <li>E.coli</li> <li>Salmonella sp</li> <li>Mikrob Penambat N</li> <li>Mikrob Pelarut P</li> <li>Ukuran Butiran</li> <li>Arsen</li> <li>Raksa Total</li> <li>Timbal</li> <li>Kadmium</li> <li>Kromium</li> </ul>	<ul style="list-style-type: none"> <li>Nikel</li> <li>Nabrium</li> <li>Klorida</li> <li>Water Holding Capacity (SNI)</li> <li>Temperatur (SNI)</li> <li>Warna (SNI)</li> <li>Bau (SNI)</li> <li>Faecal Coliform (SNI)</li> <li>Zat Pengatur Tumbuh/ Auksin, Sitokinin, Giberelin (Pestisida Organik)/ parameter</li> </ul>
PEMBENAH TANAH ORGANIK	<ul style="list-style-type: none"> <li>C-Organik (padat)</li> <li>C/N Ratio</li> <li>Kadar Air (padat)</li> <li>Besi total</li> <li>Besi tersedia</li> <li>Seng total</li> </ul>	<ul style="list-style-type: none"> <li>E.coli</li> <li>Salmonella sp</li> <li>Arsen</li> <li>Raksa Total</li> <li>Timbal</li> <li>Kadmium</li> </ul>	<ul style="list-style-type: none"> <li>Kromium</li> <li>Nikel</li> <li>Bahan ikutan (plastik, kaca, kerikil)</li> <li>Natrium</li> <li>Klorida</li> </ul>
PUPUK HAYATI (CAIR/ PADAT) DAN PEMBENAH TANAH HAYATI	<ul style="list-style-type: none"> <li>Kadar air (padat)</li> <li>pH</li> <li>Rhizobium sp</li> <li>Bacillus sp</li> <li>Azospirillum sp</li> <li>Pseudomonas sp</li> <li>Saccharomyces sp</li> <li>Streptomycetes sp</li> </ul>	<ul style="list-style-type: none"> <li>Trichoderma sp</li> <li>Mikrob penambat N</li> <li>Mikrob pelarut P</li> <li>Mikrob penghasil fitohormon</li> <li>Mikrob perombak bahan organik</li> <li>Uji Patogenesitas</li> <li>E coli</li> </ul>	<ul style="list-style-type: none"> <li>Salmonella sp</li> <li>Arsen</li> <li>Raksa Total</li> <li>Timbal</li> <li>Kadmium</li> <li>Kromium</li> <li>Nikel</li> </ul>
MIKORIZA	<ul style="list-style-type: none"> <li>Densitas spora</li> <li>Densitas spora dan pengelompokannya</li> <li>Identifikasi morfologi</li> <li>Persentase kolonisasi akar</li> <li>MPN contoh</li> </ul>		
SENYAWA HUMAT	<ul style="list-style-type: none"> <li>Kadar air (padat)</li> <li>pH</li> <li>Humat (%C)</li> <li>Fulvat (%C)</li> <li>Nabrium</li> <li>Arsen</li> </ul>	<ul style="list-style-type: none"> <li>Raksa Total</li> <li>Timbal</li> <li>Kadmium</li> <li>Kromium</li> <li>Nikel</li> </ul>	

## ANALISIS PUPUK ANORGANIK

<ul style="list-style-type: none"> <li>Kadar air Karl Fischer</li> <li>Nitrogen Total</li> <li>P2O5 Total</li> <li>K2O total</li> <li>Kalsium</li> <li>Magnesium</li> <li>Besi</li> <li>Tembaga</li> </ul>	<ul style="list-style-type: none"> <li>Seng</li> <li>Mangan</li> <li>Boron</li> <li>Raksa Total</li> <li>Arsen</li> <li>Molibdenum</li> <li>Klorida</li> <li>Sulfur</li> </ul>
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## ANALISIS TANAH TERKONTAMINASI/ SLUDGE/ LUMPUR

- pH
- C-Organik
- Total Petroleum Hydrocarbon (TPH)
- Polyaromatic Hydrocarbon (PAH)
- Toxicity Characteristic Leaching Procedure (TCLP)
- TCLP Anorganik

- TCLP Organik
- TCLP Anion
- BTEX
- LC50
- LD50
- Faecal coliform
- Salmonella sp
- Helminth Ova

## ANALISIS JARINGAN TANAMAN

- C-Organik
- N Total
- P Total
- K Total
- Ca
- Mg
- S

- Unsur hara mikro total/ parameter
- Logam berat total/ parameter
- Kadar Abu
- Kadar Silika

## ANALISIS MIKROBIOLOGI MOLEKULER

- Isolasi Mikob
- Identifikasi Mikrob Molekular (16 rRNA/ITS Region) Sequencing single pass DNA 2 reaction (Forward dan Reverse)\*
- Identifikasi Mikrob Molekular (16 rRNA/ITS Region) Sequencing single pass DNA 1 reaction (Forward)\*
- Pemurnian isolat per genus

## ANALISIS RESIDU PESTISIDA TANAMAN

- Organoklorin
- Organofosfat
- Piretroid
- Karbamat

## ANALISIS PANGAN DAN PAKAN

- Proksimat
- Analisis Asam Amino 17 Jenis
- Analisis Asam Amino 18 Jenis
- Vitami(A/B/C/D/E/B12/B6/B7/ B3/Kolin)
- Omega 3, 6, 9
- GMO (Genetically modified organism)
- Logam berat/ parameter

- Coliform
- Salmonella sp
- Asam lemak Jenuh
- Asam Lemak Tak Jenuh
- Kadar Gula
- Kadar Garam

## ANALISIS AIR SUNGAI (Berdasarkan Peraturan Pemerintah No. 22 Tahun 2021)

- Warna
- TDS
- TSS
- BOD
- COD
- Sulfat (SO4)
- Klorida
- N-NO2
- N-NO3
- N-NH3
- P-PQ4

- Flourida
- H2S
- CN
- Klorine bebas
- Barium terlarut
- Boron terlarut
- Merkuri terlarut
- Arsen terlarut
- Selenium terlarut
- Besi terlarut

- Kadmium terlarut
- Kobalt terlarut
- Mangan terlarut
- Nikel terlarut
- Seng terlarut
- Tembaga terlarut
- Timbal terlarut
- Kromium Heksavalen (Cr6+) terlarut
- Minyak dan Lemak
- Deterjen MBAS

## ANALISIS AIR LIMBAH (KepmenLH No. 112 dan No. 122 tahun 2004)

- TDS
- TSS
- BOD
- COD
- N-NH3
- N-NO2
- N-NO3
- Sulfida
- Klorine bebas
- Arsen

- Barium
- Besi
- Flourida
- Kadmium
- Krom
- Krom VI (Cr6+)
- Mangan
- Nikel
- Raksa total
- Selenium

- Seng (Seng)
- Tembaga
- Timbal
- Timah
- Kobalt
- Fenol
- Sianida
- Minyak
- Deterjen-MBAS

## ANALISIS UDARA (PPRI No. 41 tahun 1999; KepmenLH No. 50 tahun 1999 Kepmen No. 48 tahun 1996)

- NO2
- SO2
- CO
- O3
- HC
- TSP
- Pb

- PM10
- PM2,5
- NH3
- H2S
- Kebisingan
- Sampling
- Sewa Alat

\*TERSEDIA UNTUK AMBIENT SESAAT DAN 24 JAM