

LAMPIRAN

Foto Saat Proses Fermentasi



Persiapan daun kelor segar



Daun kelor yang telah direbus dan starter kultur bakteri asam laktat



Proses fermentasi



Ekstrak Tepung Daun Kelor (0 jam, 24 jam, 48)

LAMPIRAN

Hasil Lab Analisis Asam Amino di BBIA Bogor

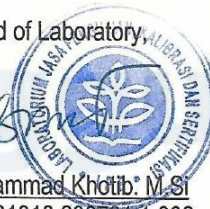


KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
INSTITUT PERTANIAN BOGOR
UNIT LABORATORIUM JASA PENGUJIAN, KALIBRASI DAN SERTIFIKASI
Sertifikat Akreditasi KAN No. LP-156-IDN ; LK-336-IDN ; LSPR-030-IDN ; LSHACCP-009-IDN ; LSSMKP-009-IDN
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Phone 0251-8319894, 8323571 Website : www.ilab-ipb.org Email : labterpadu@apps.ipb.ac.id



Certificate No. : LT-10-22-1613
Lab. No. : BM/XII/22/3782-3784
Customer : ANNISA SEKAR APRISA
Address : Jl. Puri Insani II Blok A3-2. Grand Depok City, Jatimulya, Cilodong, Depok, 16413
Sample Matrix : Ekstrak Fermentasi Daun Kelor
Test for : Amino Acid
Received Date : 23-12-2022
Issued Date : 29-12-2022

Head of Laboratory



Dr. Mohammad Khotib, M.Si
NIP. 19781018 200701 1 002



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Certificate No. : LT-10-22-1613	Received Date : 23-12-2022
Laboratory No. : BM/XII/22/3782	Finished Date : 29-12-2022
Sample Matrix : Ekstrak Fermentasi Daun Kelor	
Sample Id. : A0	

Parameter*	Result	Unit	Method
Amino Acid			
Aspartic Acid	32.00	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Threonine	18.90	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Serine	21.74	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Glutamate	104.39	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Glycine	27.12	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Alanine	37.85	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Valine	14.94	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Methionine	59.47	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Ileucine	3.73	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Leucine	13.28	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Tyrosine	7.43	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Phenylalanine	58.45	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Histidine	218.82	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Lysine	91.02	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Arginine	298.81	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Amino Acid Total	1007.94	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)

REMARKS:
 *) Outside the scope of accreditation
 Laboratory is not responsible for the sampling process

December 29, 2022
 Head of Laboratory,

Dr. Mohammad Khotib M.Si
 NIP. 19781018 200704 1 002



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Certificate No. : LT-10-22-1613	Received Date : 23-12-2022
Laboratory No. : BM/XII/22/3783	Finished date : 29-12-2022
Sample Matrix : Ekstrak Fermentasi Daun Kelor	
Sample Id. : A1	

Parameter*	Result	Unit	Method
Amino Acid			
Aspartic Acid	71.37	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Threonine	38.46	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Serine	37.02	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Glutamate	123.88	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Glycine	55.63	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Alanine	57.64	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Valine	32.64	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Methionine	61.12	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Ileucine	14.30	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Leucine	31.39	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Tyrosine	13.47	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Phenylalanine	70.45	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Histidine	231.45	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Lysine	33.00	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Arginine	432.32	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Amino Acid Total	1304.13	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)

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December 29, 2022
 Head of Laboratory,

Dr. Mohammad Khotib M.Si
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Certificate No. : LT-10-22-1613	Received Date : 23-12-2022
Laboratory No. : BM/XII/22/3784	Finished date : 29-12-2022
Sample Matrix : Ekstrak Fermentasi Daun Kelor	
Sample Id. : A2	

Parameter*	Result	Unit	Method
Amino Acid			
Aspartic Acid	40.59	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Threonine	43.14	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Serine	34.78	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Glutamate	23.62	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Glycine	41.26	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Alanine	40.01	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Valine	47.57	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Methionine	12.40	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Ileucine	94.95	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Leucine	55.32	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Tyrosine	37.42	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Phenylalanine	18.13	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Histidine	11.80	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Lysine	5.82	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Arginine	14.31	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)
Amino Acid Total	521.12	mg/kg	IK.LP-04.7-LT-1.0 (HPLC)

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December 29, 2022
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