7. LAMPIRAN

Lampiran 1. Persyaratan Mutu Mi Kering berdasarkan SNI 01-2974-1996

No.	Jenis Uji	Satuan	Persyaratan	
			Mutu I	Mutu II
1.	Keadaan			
1.1.	Bau	-	normal	normal
1.2.	Warna	-	normal	normal
1.3.	Rasa	-	normal	normal
2.	Air	%b/b	maks. 8	maks.10
3.	Protein (N x 6,25)	%b/b	min. 11	min. 8
4.	Bahan tambahan makanan			
4.1.	Boraks		Tidak boleh ada sesuai dengan	
4.2.	Pewarna tambahan		SNI 01-0222-1995	
5.	Cemaran logam			
5.1.	Timbal (Pb)	mg/kg	maks. 1,0	maks. 1,0
5.2.	Tembaga (Cu)	mg/kg	maks. 10,0	maks. 10,0
5.3.	Seng (Zn)	mg/kg	maks. 40,0	maks. 40,0
5.4.	Raksa (Hg)	mg/kg	maks. 0,05	maks. 0,05
6	Arsen (As)	mg/kg	maks. 0,5	maks. 0,5
7.	Cemaran mikroba:			
7.1.	Angka lempeng total	koloni/g	maks. $1,0 \times 10^6$	maks. $1,0 \times 10^6$
7.2.	*E.coli*	APM/g	maks. 10	maks. 10
7.3.	Kapang	koloni/g	maks. $1,0 \times 10^4$	maks. $1,0 \times 10^4$

Sumber: Badan Standarisasi Nasional (1996)

Lampiran 2. Persyaratan Mutu Mi Basah berdasarkan SNI 2987-2015

No	Kriteria Uji	Satuan	Persyaratan
			Mi Basah Matang
1.	Keadaan		
1.1	Bau	-	Normal
1.2	Rasa	-	Normal
1.3	Warna	-	Normal
1.4	Tekstur	-	Normal
2.	Kadar Air	Fraksi massa (%)	Maks. 65
3.	Kadar Protein (Nx6,25)	Fraksi massa (%)	Min. 60
4.	Kadar Abu Tidak Larut dalam Asam	Fraksi massa (%)	Maks. 0,05
5.	Bahan Berbahaya		
5.1	Formalin (HCHO)	-	Tidak boleh ada
5.2	Asam Borat (H_3BO_3)	-	Tidak boleh ada
6.	Cemaran Logam		
6.1	Timbal (Pb)	mg/kg	Maks. 1,0
6.2	Kadmium (Cd)	mg/kg	Maks 0,2
6.3	Timah (Sn)	mg/kg	Maks 40,0
6.4	Merkuri (Hg)	mg/kg	Maks 0,05
7	Cemaran Arsen (As)	mg/kg	Maks 0,5
8.	Cemaran Mikroba		
8.1	Angka Lempeng Total	koloni/g	Maks $1x10^6$
8.2	Escherichia coli	APM/g	Maks 10
8.3	Salmonella sp.	-	negatif/25 g
8.4	Staphylococcus aureus	koloni/g	Maks $1x10^3$
8.5	Bacillus cereus	koloni/g	Maks $1x10^3$
8.6	Kapang	koloni/g	Maks $1x10^4$
9.	Deoksinivalenol	µg/kg	Maks 750

Sumber: Badan Standarisasi Nasional (2015)

Lampiran 3. Persyaratan Mutu Tepung Sagu berdasarkan SNI 01-3729-1995

Kriteria Uji	SNI 01-3729-1995	
	Satuan	Persyaratan
1. Keadaan		
1.1. Bau	-	Normal
1.2. Warna	-	Normal
1.3. Rasa	-	Normal
1.4. Bentuk		
2. Benda asing	-	Tidak boleh ada
3. Serangga (dalam segala bentuk stadia dan potongan-potongan)	-	Tidak boleh ada
4. Jenis pati lain selain pati sagu	-	Tidak boleh ada
5. Kadar air	%(b/b)	Maks 13
6. Kadar abu	%(b/b)	Maks 0,5
7. Kadar pati	-	-
8. Kadar serat kasar	%(b/b)	Maks 0,1
9. Derajat asam	ml NaOH 1 N/100 gr	Mask 4,0
10. Residu SO_2	Mg/kg	Maks 30
11. Bahan tambahan makanan (bahan pemutih)	-	Sesuai dengan SNI 01-0222-1995
12. Kehalusan, lolos ayakan 100 mesh	%(b/b)	Min 95
13. Cemaran logam		
13.1. Timbal (Pb)	mg/kg	Maks 1,0
13.2. Tembaga (Cu)	mg/kg	Maks 10,0
13.3. Seng (Zn)	mg/kg	Maks 40,0
13.4. Raksa (Hg)	mg/kg	Maks 0,05
14. Cemaran Arsen (As)	Mg/kg	Maks 0,50
15. Cemaran mikroba		
15.1. Angka lempengan total	Koloni/g	Maks 10^6
15.2. E.coli	APM/g	Maks 10
15.3. Kapang	Koloni/g	Maks 10^4

Sumber : Badan Standarisasi Nasional (1995) dalam Haryanto, (2007)

Lampiran 4. Persyaratan Mutu Tepung Pisang berdasarkan SNI 01-3841-1995

Kriteria Uji	Satuan	Persyaratan	
		Jenis A	Jenis B
1. Keadaan :			
1.1. Bau	-	Normal	Normal
1.2. Rasa	-	Normal	Normal
1.3. Warna	-	Normal	Normal
2. Benda asing	-	Tidak ada	Tidak ada
3. Serangga (dalam bentuk stadia dan potongan-potongan)	-	Tidak ada	Tidak ada
4. Jenis pati lain selain tepung pisang	-	Tidak ada	Tidak ada
5. Kehalusan lolos ayakan 60 mesh	%b/b	Min. 95	Min. 95
6. Air	%b/b	Maks. 5	Maks.1 2
7. Bahan tambahan pangan	-	Sesuai dengan SNI 01-0222-1987	
8. Sulfit (SO_2)	mg/kg	Negatif	Maks. 1,0
9. Cemaran logam:			
9.1. Timbal (Pb)	mg/kg	Maks. 1,0	Maks. 1,0
9.2. Tembaga (Cu)	mg/kg	Maks. 10,0	Maks 10,0
9.3. Seng (Zn)	mg/kg	Maks. 40,0	Maks 40,0
9.4. Raksa (Hg)	mg/kg	Maks. 0,05	Maks 0,05
10. Cemaran arsen (As)	mg/kg		
11. Cemaran mikroba:			
11.1. Angka lempeng total	Koloni/g	Maks. 10^4	Maks 10^6
11.2. Bakteri pembentuk *coli*	APM/g	0	0
11.3. *Escherichia coli*	Koloni/g	0	Maks. 10^6
11.4. Kapang dan khamir	Koloni/g	Maks. 10^2	Maks. 10^4
11.5. Salmonella/25 gram	-	Negatif	-
11.6. *Staphylococcus aureus*	Koloni/g	Negatif	-

Sumber: Badan Standarisasi Nasional (2011) dalam Badan Litbang Pertanian (2013)

Lampiran 5. *Scoresheet* Sensori

UJI RATING HEDONIK

Tanggal : Produk : Mi Kering
Nama :
Jenis kelamin :
Nomor WA/ID Line :

Dihadapan Anda terdapat 3 sample mie kering. Silakan Anda **mengamati atribut warna, rasa, tekstur, dan *overall*** (keseluruhan produk) secara seksama. Pengamatan dilakukan dari sisi kiri ke kanan secara urut. Penilaian dilakukan dengan sistem **RATING** dari kisaran **1 sampai 3**, angka **BOLEH SAMA** pada setiap samplenya.
Catatan: setiap setelah mencoba sample, diwajibkan kumur dengan air

Keterangan
1 = tidak suka 2 = netral 3 = suka

Kode Sampel	**Warna**	**Rasa**	**Tekstur**	***Overall***

UJI RATING HEDONIK

Tanggal : Produk : Mi Kering
Nama :
Jenis kelamin :
Nomor WA/ID Line :

Dihadapan Anda terdapat 3 sample mie kering. Silakan Anda **mengamati atribut warna, rasa, tekstur, dan *overall*** (keseluruhan produk) secara seksama. Pengamatan dilakukan dari sisi kiri ke kanan secara urut. Penilaian dilakukan dengan sistem **RATING** dari kisaran **1 sampai 3**, angka **BOLEH SAMA** pada setiap samplenya.
Catatan: setiap setelah mencoba sample, diwajibkan kumur dengan air

Keterangan
1 = tidak suka 2 = netral 3 = suka

Kode Sampel	**Warna**	**Rasa**	**Tekstur**	***Overall***

Lampiran 6. Data SPSS

1. Mi Kering

1.1. Analisis Fisiko-kimiawi : Uji Homogenitas dan Normalitas

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
air	.150	9	.200*	.962	9	.821
abu	.223	9	.200*	.915	9	.356
protein	.254	9	.098	.901	9	.260
karbo	.145	9	.200*	.982	9	.975
hardness	.148	9	.200*	.967	9	.871
a_trans	.212	9	.200*	.851	9	.076
b_trans	.202	9	.200*	.845	9	.066
lemak_trans	.190	9	.200*	.885	9	.178
L_trans	.124	9	.200*	.954	9	.730
kalori	.138	9	.200*	.957	9	.769

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
air	.261	2	6	.779
abu	3.227	2	6	.112
protein	1.517	2	6	.293
karbo	3.524	2	6	.097
hardness	1.731	2	6	.255
a_trans	2.408	2	6	.171
b_trans	2.050	2	6	.210
lemak_trans	2.225	2	6	.189
L_trans	1.268	2	6	.347
kalori	2.554	2	6	.158

1.2. Analisis Fisiko-Kimiawi : Uji *One-Way* ANOVA dan Uji Post Hoc (Duncan)

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
air	Between Groups	.363	2	.182	.771	.504
	Within Groups	1.413	6	.235		
	Total	1.776	8			
abu	Between Groups	.797	2	.399	.805	.490
	Within Groups	2.971	6	.495		
	Total	3.768	8			
protein	Between Groups	51.392	2	25.696	13.195	.006
	Within Groups	11.685	6	1.947		
	Total	63.076	8			
karbo	Between Groups	32.245	2	16.122	17.835	.003
	Within Groups	5.424	6	.904		
	Total	37.669	8			
hardness	Between Groups	4830094	2	2415046.788	7.789	.021
	Within Groups	1860252	6	310042.006		
	Total	6690346	8			
a_trans	Between Groups	3.858	2	1.929	509.782	.000
	Within Groups	.023	6	.004		
	Total	3.881	8			
b_trans	Between Groups	5.129	2	2.565	1884.425	.000
	Within Groups	.008	6	.001		
	Total	5.137	8			
lemak_trans	Between Groups	.452	2	.226	78.871	.000
	Within Groups	.017	6	.003		
	Total	.470	8			
L_trans	Between Groups	1.530	2	.765	7.387	.024
	Within Groups	.621	6	.104		
	Total	2.151	8			
kalori	Between Groups	10.976	2	5.488	.610	.574
	Within Groups	53.955	6	8.993		
	Total	64.931	8			

air

Duncan[a]

konsentrasi	N	Subset for alpha = .05 1
mi kering kontrol	3	5.5847
mi kering 70% tepung sagu : 30% tepung pisang	3	5.9773
mi kering 60% tepung sagu : 40% tepung pisang	3	6.0377
Sig.		.311

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

abu

Duncan[a]

konsentrasi	N	Subset for alpha = .05 1
mi kering kontrol	3	1.8190
mi kering 70% tepung sagu : 30% tepung pisang	3	1.9270
mi kering 60% tepung sagu : 40% tepung pisang	3	2.4973
Sig.		.297

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

protein

Duncan[a]

konsentrasi	N	Subset for alpha = .05	
		1	2
mi kering 70% tepung sagu : 30% tepung pisang	3	11.5567	
mi kering 60% tepung sagu : 40% tepung pisang	3	12.3790	
mi kering kontrol	3		16.9867
Sig.		.498	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

lemak_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi kering 60% tepung sagu : 40% tepung pisang	3	-.9573		
mi kering 70% tepung sagu : 30% tepung pisang	3		-.6581	
mi kering kontrol	3			-.4089
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

karbo

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi kering kontrol	3	73.6180		
mi kering 60% tepung sagu : 40% tepung pisang	3		75.6950	
mi kering 70% tepung sagu : 30% tepung pisang	3			78.2463
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

hardness

Duncan[a]

konsentrasi	N	Subset for alpha = .05	
		1	2
mi kering kontrol	3	1493.5000	
mi kering 60% tepung sagu : 40% tepung pisang	3		2913.3333
mi kering 70% tepung sagu : 30% tepung pisang	3		3153.7333
Sig.		1.000	.616

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

L_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05	
		1	2
mi kering 70% tepung sagu : 30% tepung pisang	3	-.6844	
mi kering 60% tepung sagu : 40% tepung pisang	3		.0783
mi kering kontrol	3		.2702
Sig.		1.000	.493

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

a_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi kering kontrol	3	-.9947		
mi kering 60% tepung sagu : 40% tepung pisang	3		-.1450	
mi kering 70% tepung sagu : 30% tepung pisang	3			.6082
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

b_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi kering 70% tepung sagu : 30% tepung pisang	3	-.8901		
mi kering 60% tepung sagu : 40% tepung pisang	3		.0870	
mi kering kontrol	3			.9581
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

kalori

Duncan[a]

konsentrasi	N	Subset for alpha = .05
		1
mi kering 70% tepung sagu : 30% tepung pisang	3	322.8667
mi kering kontrol	3	323.2932
mi kering 60% tepung sagu : 40% tepung pisang	3	325.3933
Sig.		.356

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

2. Mi Rebus

2.1. Analisis Fisiko-kimiawi : Uji Homogenitas dan Normalitas

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
abu	.166	9	.200*	.967	9	.868
lemak	.230	9	.187	.841	9	.060
karbo	.291	9	.027	.901	9	.255
cooking_loss	.170	9	.200*	.954	9	.735
tensile_trans	.242	9	.137	.844	9	.065
L_trans	.193	9	.200*	.895	9	.226
a_trans	.268	9	.062	.906	9	.286
b_trans	.279	9	.042	.837	9	.053
air_trans	.192	9	.200*	.916	9	.363
protein_trans	.226	9	.200*	.864	9	.105

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
abu	.561	2	6	.598
lemak	1.219	2	6	.359
karbo	1.812	2	6	.242
cooking_loss	1.274	2	6	.346
tensile_trans	4.621	2	6	.061
L_trans	.360	2	6	.712
a_trans	2.457	2	6	.166
b_trans	1.725	2	6	.256
air_trans	2.809	2	6	.138
protein_trans	.060	2	6	.943

2.3. Analisis Fisiko-Kimiawi : Uji *One-Way* ANOVA dan Uji Post Hoc (Duncan)

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
abu	Between Groups	.524	2	.262	7.236	.025
	Within Groups	.217	6	.036		
	Total	.741	8			
lemak	Between Groups	.357	2	.179	1.179	.370
	Within Groups	.910	6	.152		
	Total	1.267	8			
karbo	Between Groups	2.636	2	1.318	14.980	.005
	Within Groups	.528	6	.088		
	Total	3.163	8			
cooking_loss	Between Groups	22.250	2	11.125	25.763	.001
	Within Groups	2.591	6	.432		
	Total	24.841	8			
tensile_trans	Between Groups	283.769	2	141.884	26.083	.001
	Within Groups	32.638	6	5.440		
	Total	316.407	8			
L_trans	Between Groups	3.820	2	1.910	14.825	.005
	Within Groups	.773	6	.129		
	Total	4.592	8			
a_trans	Between Groups	.248	2	.124	55.143	.000
	Within Groups	.013	6	.002		
	Total	.261	8			
b_trans	Between Groups	.048	2	.024	193.757	.000
	Within Groups	.001	6	.000		
	Total	.049	8			
air_trans	Between Groups	8E+062	2	3.847E+062	15.875	.004
	Within Groups	1E+062	6	2.423E+061		
	Total	9E+062	8			
protein_trans	Between Groups	.155	2	.078	87.758	.000
	Within Groups	.005	6	.001		
	Total	.160	8			

abu

Duncan[a]

konsentrasi	N	Subset for alpha = .05	
		1	2
mi rebus kontrol	3	.3647	
mi rebus 60% tepung sagu : 40% tepung pisang	3	.7303	.7303
mi rebus 70% tepung sagu : 30% tepung pisang	3		.9493
Sig.		.057	.208

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

lemak

Duncan[a]

konsentrasi	N	Subset for alpha = .05
		1
mi rebus kontrol	3	1.0987
mi rebus 70% tepung sagu : 30% tepung pisang	3	1.4930
mi rebus 60% tepung sagu : 40% tepung pisang	3	1.5450
Sig.		.223

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

karbo

Duncan[a]

konsentrasi	N	Subset for alpha = .05	
		1	2
mi rebus 60% tepung sagu : 40% tepung pisang	3	21.7310	
mi rebus 70% tepung sagu : 30% tepung pisang	3		22.7893
mi rebus kontrol	3		22.9513
Sig.		1.000	.528

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

cooking_loss

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi rebus kontrol	3	4.7987		
mi rebus 70% tepung sagu : 30% tepung pisang	3		6.1310	
mi rebus 60% tepung sagu : 40% tepung pisang	3			8.5943
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

tensile_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05	
		1	2
mi rebus 70% tepung sagu : 30% tepung pisang	3	-15.1298	
mi rebus 60% tepung sagu : 40% tepung pisang	3	-13.6987	
mi rebus kontrol	3		-2.5674
Sig.		.481	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

L_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05	
		1	2
mi rebus kontrol	3	-.8010	
mi rebus 70% tepung sagu : 30% tepung pisang	3		.5355
mi rebus 60% tepung sagu : 40% tepung pisang	3		.6223
Sig.		1.000	.777

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

a_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi rebus 70% tepung sagu : 30% tepung pisang	3	.1525		
mi rebus 60% tepung sagu : 40% tepung pisang	3		.2735	
mi rebus kontrol	3			.5489
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

b_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi rebus 60% tepung sagu : 40% tepung pisang	3	1.0758		
mi rebus 70% tepung sagu : 30% tepung pisang	3		1.1201	
mi rebus kontrol	3			1.2487
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

air_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi rebus kontrol	3	1E+030		
mi rebus 70% tepung sagu : 30% tepung pisang	3		1E+031	
mi rebus 60% tepung sagu : 40% tepung pisang	3			2E+031
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

protein_trans

Duncan[a]

konsentrasi	N	Subset for alpha = .05		
		1	2	3
mi rebus 70% tepung sagu : 30% tepung pisang	3	.4991		
mi rebus 60% tepung sagu : 40% tepung pisang	3		.5772	
mi rebus kontrol	3			.8082
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

3. Analisis Sensori

Test Statistics[a,b]

	warna	rasa	tekstur	overall
Chi-Square	40.468	3.835	14.637	26.288
df	2	2	2	2
Asymp. Sig.	.000	.147	.001	.000

a. Kruskal Wallis Test

b. Grouping Variable: sample

Kontrol dan 70:30

Test Statistics[a]

	warna	rasa	tekstur	overall
Mann-Whitney U	351.500	738.000	648.000	453.000
Wilcoxon W	1254.500	1641.000	1551.000	1356.000
Z	-5.458	-1.429	-2.360	-4.331
Asymp. Sig. (2-tailed)	.000	.153	.018	.000

a. Grouping Variable: kode

Kontrol dan 60:40

Test Statistics[a]

	warna	rasa	tekstur	overall
Mann-Whitney U	290.000	694.000	498.500	419.500
Wilcoxon W	1193.000	1597.000	1401.500	1322.500
Z	-5.978	-1.832	-3.748	-4.612
Asymp. Sig. (2-tailed)	.000	.067	.000	.000

a. Grouping Variable: sample

70:30 dan 60:40

Test Statistics[a]

	warna	rasa	tekstur	overall
Mann-Whitney U	834.000	824.000	714.000	818.000
Wilcoxon W	1737.000	1727.000	1617.000	1721.000
Z	-.466	-.572	-1.620	-.654
Asymp. Sig. (2-tailed)	.641	.567	.105	.513

a. Grouping Variable: sample

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berupa(~~TESIS, TUGAS AKHIR, PROPOSAL,~~ SKRIPSI, ~~SUMMARY, LAPORAN KERJA PRAKTEK~~)

dengan judul : Karakteristik Fisiko-kimiawi dan sensori Mi Kering dengan Substitusi Tepung Komposit (Tepung Sagu dan Pisang Kepok)

Semarang, 25 Maret 2019

Petugas,

Yang Menyerahkan

E. Merline

Dosen Pembimbing

Dr. Ir. Lindayani, MP

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