7. LAMPIRAN

Lampiran 1. Cara penyeduhan *coffeemix* pada kemasan

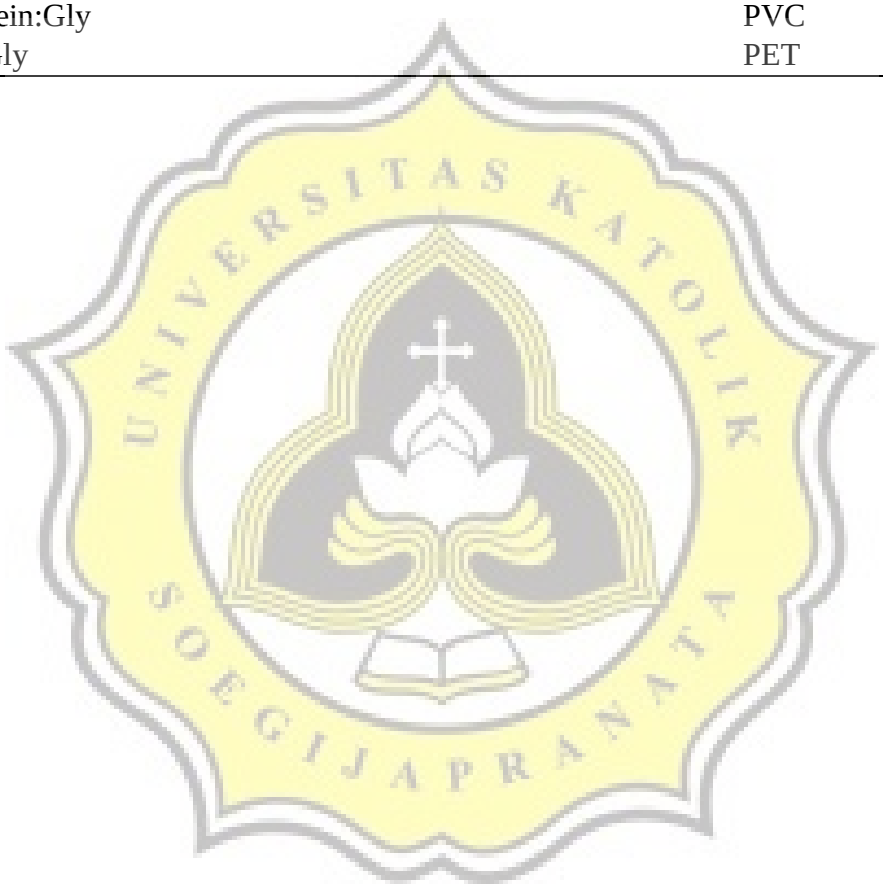
Gambar 10. Proses penyeduhan *coffeemix*

Lampiran 2. Parameter karakteristik *edible film* yang baik

Tabel 6. Parameter karakteristik *edible film* yang baik

Interior	Marginal	Good	Superior
Tensile Strength (Mpa)			
<1	1-10	10-100	>100
PPC:Gly	Coll:Cell:Gly	WPI:Gly	Cellophane
	Na-Caseinate:Gly	FMP:Gly	MC
	Ca-Caseinate:Gly	CZ:Gly	HPMC
	WPI:Sor	HAPS:Gly	Amylose
	EWP:Gly	LDPE	OPP
	SPI:Gly	HDPE	PVDC
	CZ:PEG	PP	PET
	WG:Gly	PS	
	WPI:BW:Gly		
	SPI:FA:Gly		
	Pea protein:Gly		
Elongation (%)			
<1	1-10	10-100	>100
Ca-Caseinate:Gly	MC	Coll:Cell:Gly	CZ:Gly
PS	HPMC	Na-Caseinate:Gly	WG:Gly
	WPI:BW:Gly	WPI:Gly	SPI:FA:Gly
		WPI:Sor	HAPS:Gly
		FMP:Gly	LDPE
		EWP:Gly	HDPE
		EWP:PEG	
		SPI:Gly	
		CZ:PEG	
		Pea protein:Gly	
		Cellophane	
		Amylose	
		OPP	
		PET	
Oxygen Permeability (cm3 μmm^{-2} d^{-1} Kpa^{-1})			
>1000	1000-100	100-10	<10
LDPE	HPMC	Collagen	WG:Gly
Starch:Gly	MC	CZ:Gly	SPI:Gly
	Shellac	WPI:Gly	WPI:Sor
	Beeswax	EWP:Gly	HAPS:
	Most waxes	PPC:Gly	Gly
	HDPE	Cellophane	EVOH
		Polyester	PVDC

Water Vapor Permeability (g mm m^{-2} d^{-1} Kpa^{-1})			
>10	10-1	1-0,1	<0.1
Na-Caseinate:Gly	WG:Gly	Shellac	HPMC:FA:PEG
Ca-Caseinate:Gly	WG:BW:Gly	Chocolate	HPMC:BW:PEG
EWP:Gly	Ca-Caseinate:BW		Beeswax
WPI:Sor	WPI:BW:Sor		Paraffin wax
WPI:Gly	WPI:BW:Gly		Most waxes
SPI:Gly	Cellophane		LDPE
PPC:Gly			HDPE
SPI:FA:Gly			PVDC
CZ:Gly			EVOH
Pea protein:Gly			PVC
HAPS:Gly			PET



Lampiran 3. Analisa Data Penelitian

1. Uji Kadar Air

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
KadarAir	,143	18	,200*	,952	18	,462

Kadar Air

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
50%	6	,07116	
60%	6	,07402	
Kontrol	6		,08929
Sig.		,447	1,000

2. Uji Warna

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
L	,227	18	,015	,910	18	,087

L

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
Kontrol	6	88,58000	
50%	6		89,95667
60%	6		90,19500
Sig.		1,000	,526

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
a	,203	18	,049	,939	18	,284

Duncan

Perlakuan	N	Subset for alpha = 0.05
		1
Kontrol	6	1,56000
60%	6	1,59833
50%	6	1,62500
Sig.		,131

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
b	,161	18	,200*	,910	18	,087

b

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
50%	6	-2,85500	
60%	6	-2,74667	
Kontrol	6		-1,69500
Sig.		,427	1,000

3. Uji Ketebalan

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Ketebalan	,162	18	,200*	,933	18	,217

Ketebalan

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
50%	6	,06900	
Kontrol	6	,07133	
60%	6		,08733
Sig.		,412	1,000

4. Uji Kuat Tarik

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Kuattarik	,165	18	,200*	,913	18	,098

Kuattarik

Duncan

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Kontrol	6	,96088		
50%	6		2,33645	
60%	6			4,06200
Sig.		1,000	1,000	1,000

5. Uji Persen Elongasi

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Elongasi	,227	18	,015	,904	18	,068

Elongasi

Duncan

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Kontrol	6	,01902		
50%	6		,04654	
60%	6			,18293
Sig.		1,000	1,000	1,000

6. Uji WVTR

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
WVTR	,109	27	,200*	,949	27	,206

WVTR

	Jam	N	Subset for alpha = 0.05					
			1	2	3	4	5	6
Tukey HSD[a]	jam ke-1	3	2,4867					
	jam ke-2	3	4,8100	4,8100				
	jam ke-3	3	7,1333	7,1333	7,1333			
	jam ke-4	3	9,4567	9,4567	9,4567	9,4567		
	jam ke-5	3	11,7767	11,7767	11,7767	11,7767		
	jam ke-6	3	14,0967	14,0967	14,0967	14,0967		
	jam ke-7	3		16,4200	16,4200	16,4200		
	jam ke-8	3			18,7400	18,7400		
	jam ke-9	3				21,0633		
	Sig.		,115	,115	,115	,115		
Duncan[a]	jam ke-1	3	2,4867					
	jam ke-2	3	4,8100	4,8100				
	jam ke-3	3	7,1333	7,1333	7,1333			
	jam ke-4	3	9,4567	9,4567	9,4567	9,4567		
	jam ke-5	3		11,7767	11,7767	11,7767	11,7767	
	jam ke-6	3			14,0967	14,0967	14,0967	14,0967
	jam ke-7	3				16,4200	16,4200	16,4200
	jam ke-8	3					18,7400	18,7400
	jam ke-9	3						21,0633
	Sig.		,107	,107	,108	,108	,108	,107

WVTR

	Formulasi	N	Subset for alpha = 0.05	
			1	2
Tukey HSD[a]	Formulasi 3	9	7,7900	
	Formulasi 2	9	11,6700	11,6700
	Formulasi 1	9		15,8678
	Sig.		,444	,389
Duncan[a]	Formulasi 3	9	7,7900	
	Formulasi 2	9	11,6700	11,6700
	Formulasi 1	9		15,8678
	Sig.		,228	,194

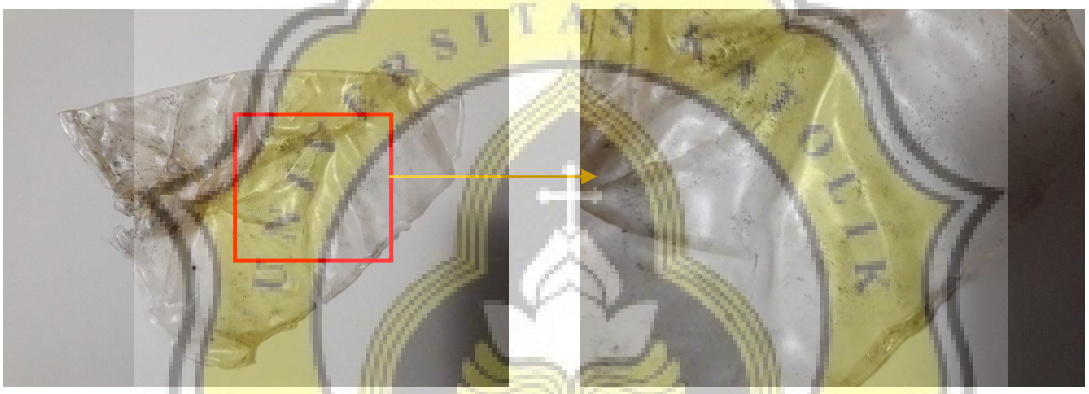
7. Uji Daya Larut

Daya Larut

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
Formulasi 1	1	51,78	
Formulasi 2	1		54,94
Formulasi 3	1		56,03
Sig.		1,000	1,000

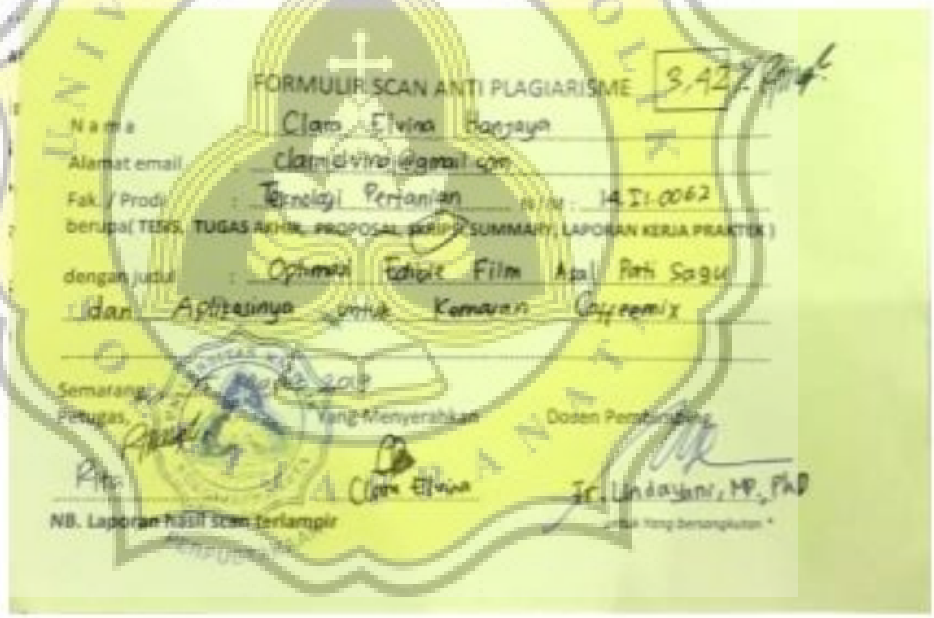
Lampiran 4. Hasil Uji Pendahuluan



Gambar 11. Tumbuhnya jamur pada *edible film*

1. PENDAHULUAN

1.1 Latar Belakang



FORMULIR SCAN ANTI PLAGIARISME 3.42%

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

dengan judul : Optimasi Edible Film Pati Sagu dan Aplikasinya untuk Kemasan Cookies

Semarang, 2019

Penugas,

Yang Menyerahkan

Clara Elvina

Dosen Pembimbing

Ir. Lindayani, MP, PhD

NB. Laporan hasil scan terlampir