

LAMPIRAN

Produk : *Velva* Mangga
Metode : Uji Kesukaan
Pengujian: Kenampakan/ Tekstur/ Aroma/Rasa *)
*) Coret yang tidak perlu

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Pengujian: Kenampakan/ Tekstur/ Aroma/Rasa *)

***) Coret yang tidak perlu**

Kriteria parameter pengujian:

Rasa : kesukaan terhadap rasa *velva* secara keseluruhan.

289 | | | | **1** | | | |
1 2 3 4 5 6 7 8 9

- Sebelum dan sesudah mencoba sampel selanjutnya, panelis diminta untuk meminum air minum dalam kemasan yang telah disediakan untuk menghilangkan rasa sampel sebelumnya.

Kuesioner

Nama:

Tanggal:

Produk: *Velva* Mangga

Metode : Uji Kesukaan

Pengujian: Kenampakan / Tekstur / Aroma / Rasa *)

***) Coret yang tidak perlu**

Pengujian:

358

1 2 3 4 5 6 7 8 9

amat sangat tidak suka netral amat sangat suka

289

1	2	3	4	5	6	7	8	9
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721

1	2	3	4	5	6	7	8	9
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465

1	2	3	4	5	6	7	8	9
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836

1	2	3	4	5	6	7	8	9
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518

1	2	3	4	5	6	7	8	9
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672

1	2	3	4	5	6	7	8	9
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Komentar:

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Lampiran B. Data Pengamatan dan Hasil Analisa terhadap Bahan Baku (Mangga Gadung), Hasil Analisa pH dan Total Padatan Terlarut *Velva* Mangga Gadung

B.1. Data Pengamatan dan Hasil Analisa terhadap Bahan Baku (Mangga Gadung)

Analisa	Kadar
Kadar serat larut (% wb)	0,38%
Kadar serat tidak larut (% wb)	1,12%
Kadar air (% wb)	87,15%
pH	3,85

B.2. Data Hasil Analisa Total Padatan Terlarut *Velva* Mangga Gadung

Perlakuan	Ulangan				Jumlah	Rata-rata (%Brix)
	1	2	3	4		
T _{0,6} P ₀	40,0	37,5	37,5	37,5	152,5	38,1
T _{0,5} P _{0,1}	37,5	37,5	37,5	37,5	150	37,5
T _{0,4} P _{0,2}	37,5	37,5	37,5	37,5	150	37,5
T _{0,3} P _{0,3}	37,5	37,5	37,5	37,5	150	37,5
T _{0,2} P _{0,4}	37,5	37,5	37,5	37,5	150	37,5
T _{0,1} P _{0,5}	37,5	37,5	37,5	37,5	150	37,5
T ₀ P _{0,6}	37,5	37,5	37,5	37,5	150	37,5

B.3. Data Hasil Analisa pH *Velva* Mangga Gadung

Perlakuan	Ulangan				Jumlah	Rata-rata
	1	2	3	4		
T _{0,6} P ₀	3,47	3,73	3,75	3,70	14,65	3,66
T _{0,5} P _{0,1}	3,39	3,73	3,74	3,68	14,54	3,64
T _{0,4} P _{0,2}	3,39	3,75	3,74	3,75	14,63	3,66
T _{0,3} P _{0,3}	3,43	3,75	3,73	3,73	14,64	3,66
T _{0,2} P _{0,4}	3,43	3,71	3,74	3,70	14,58	3,65
T _{0,1} P _{0,5}	3,35	3,74	3,76	3,75	14,60	3,65
T ₀ P _{0,6}	3,37	3,72	3,78	3,74	14,61	3,65

Lampiran C. Data Pengamatan dan Hasil Analisa Viskositas dan Selisih Viskositas *Velva* Mangga Gadung Sebelum dan Setelah *Aging* (2-6°C, 24 Jam)

C.1. Data Pengamatan Viskositas *Velva* Mangga Gadung Sebelum *Aging*

Perlakuan	Ulangan				Jumlah	Rata-rata
	1	2	3	4		
T _{0,6} P ₀	1421	1646	1644	1380	6091	1522,75
T _{0,5} P _{0,1}	1463	1893	1868	1983	7207	1801,75
T _{0,4} P _{0,2}	2058	1993	2055	1998	8104	2026,00
T _{0,3} P _{0,3}	2090	2175	2188	2200	8653	2163,25
T _{0,2} P _{0,4}	3050	2790	3131	3101	12072	3018,00
T _{0,1} P _{0,5}	3195	3098	3210	3139	12642	3160,50
T ₀ P _{0,6}	3225	3169	3297	3210	12901	3225,25
Jumlah	16502	16764	17393	17011		

C.2. Data Pengamatan Viskositas *Velva* Mangga Gadung Setelah *Aging*

Perlakuan	Ulangan				Jumlah	Rata-rata
	1	2	3	4		
T _{0,6} P ₀	2165	2189	3015	2130	9499	2374,75
T _{0,5} P _{0,1}	3040	3188	4956	3326	14510	3627,50
T _{0,4} P _{0,2}	5200	3289	4831	3360	16680	4170,00
T _{0,3} P _{0,3}	8750	5056	6443	5175	25424	6356,00
T _{0,2} P _{0,4}	9100	5280	8940	5550	28870	7217,50
T _{0,1} P _{0,5}	9810	5400	8800	10050	34060	8515,00
T ₀ P _{0,6}	10800	9890	9100	11050	40840	10210,00
Jumlah	48865	34292	46085	40641		

C.3. Data Pengamatan Selisih Viskositas *Velva* Mangga Gadung

Perlakuan	Ulangan				Jumlah	Rata-rata
	1	2	3	4		
T _{0,6} P ₀	0,5236	0,3299	0,8339	0,5435	2,2309	0,557725
T _{0,5} P _{0,1}	1,0779	0,6841	1,6531	0,6773	4,0924	1,0231
T _{0,4} P _{0,2}	1,5267	0,6503	1,3509	0,6817	4,2096	1,0524
T _{0,3} P _{0,3}	3,1866	1,3246	1,9447	1,3523	7,8082	1,95205
T _{0,2} P _{0,4}	1,9836	0,8925	1,8553	0,7897	5,5211	1,380275
T _{0,1} P _{0,5}	2,0704	0,7431	1,7414	2,2017	6,7566	1,68915
T ₀ P _{0,6}	2,3488	2,1209	1,7601	2,4424	8,6722	2,16805
Jumlah	12,7176	6,7454	11,1394	8,6886		

C.4. ANAVA Viskositas *Velva* Mangga Gadung Sebelum Aging

Sbr. Keragaman	JK	dB	KT	F hitung	F tabel ($\alpha = 5\%$)
Perlakuan	13722272,43	6	2287045	15,0373087048688*	2,661302
Ulangan	436720,7143	3	145573,6	0,957145288	3,159911
Galat	2737645,286	18	152091,4		
Total	16896638,43	27			

Keterangan: * Fhitung > F tabel (0,05), berarti ada beda nyata antar perlakuan

C.5. Uji DMRT Viskositas *Velva* Mangga Gadung Sebelum Aging

Perlakuan	Rerata	p						Notasi
		2	3	4	5	6	7	
T _{0,6} P ₀	1522,75							a
T _{0,5} P _{0,1}	1801,75	279,00						b
T _{0,4} P _{0,2}	2026,00	224,25	503,25					b
T _{0,3} P _{0,3}	2163,25	137,25	361,50	640,40*				b
T _{0,2} P _{0,4}	3018,00	854,75*	992,00*	1216,25*	1495,25*			c
T _{0,1} P _{0,5}	3160,50	142,50	997,25*	1134,50*	1358,75*	1637,75*		c
T ₀ P _{0,6}	3225,25	64,75	207,25	1062,00*	1199,25*	1423,50*	1702,50*	c
p=0.05 (p,18)		2,97	3,12	3,21	3,27	3,32	3,35	
DMRT= Sy.p		579,1336	608,3828	652,9323	637,6320	647,3817	653,2315	

C.6. ANAVA Viskositas *Velva* Mangga Gadung Setelah Aging

Sbr. Keragaman	JK	dB	KT	F hitung	F tabel ($\alpha = 5\%$)
Perlakuan	190987212,5	6	31831202	21,8637875596374*	2,661302
Ulangan	17741310,39	3	5913770	4,061970813	3,159911
Galat	26205964,36	18	1455887		
Total	234934487,3	27			

Keterangan: * Fhitung > F tabel (0,05), berarti ada beda nyata antar perlakuan

C.7. Uji DMRT Viskositas *Velva* Mangga Gadung Setelah Aging

Perlakuan	Rerata	p						Notasi
		2	3	4	5	6	7	
T _{0,6} P ₀	2374,75							a
T _{0,5} P _{0,1}	3627,50	1252,75						ab
T _{0,4} P _{0,2}	4170,00	542,5	1795,25					b
T _{0,3} P _{0,3}	6356,00	2186*	2728,5*	3981,25*				c
T _{0,2} P _{0,4}	7217,50	861,5	3047,5*	3590*	4842,75*			cd
T _{0,1} P _{0,5}	8515,00	1297,5	2158,5*	4344,5*	4887,5*	6140,25*		de
T ₀ P _{0,6}	10210,00	1695	2992,5*	3854*	6040*	6582,5*	7835,25*	e
p=0,05 (p,18)		2,97	3,12	3,21	3,27	3,32	3,35	
DMRT= Sy.p		1791,8031	1882,2982	1936,5953	1972,7933	2002,9584	2021,0574	

C.8. ANAVA Selisih Viskositas *Velva* Mangga Gadung

Sbr. Keragaman	JK	dB	KT	F hitung	F tabel ($\alpha = 5\%$)
Perlakuan	7,803558	6	1,300593	6,821358*	2,661302
Ulangan	2,981443	3	0,993814	5,212364	3,159911
Galat	3,431967	18	0,190665		
Total	14,21697	27			

Keterangan: * Fhitung > F tabel (0,05), berarti ada beda nyata antar perlakuan

C.9. Uji DMRT Selisih Viskositas *Velva* Mangga Gadung

Perlakuan	Rerata	p						Notasi
		2	3	4	5	6	7	
T _{0,6} P ₀	0,5577							a
T _{0,5} P _{0,1}	1,0231	0,4654						b
T _{0,4} P _{0,2}	1,0524	0,0293	0,4947					bc
T _{0,2} P _{0,4}	1,3803	0,3279	0,3572	0,8226				bcd
T _{0,1} P _{0,5}	1,6892	0,3089	0,6368	0,6661	1,1315			cde
T _{0,3} P _{0,3}	1,9521	0,2629	0,5718	0,8997	0,9290	1,3944		de
T ₀ P _{0,6}	2,1681	0,2160	0,4789	0,7878	1,1157	1,1450	1,6104	e
rp (0,05;18)		2,97	3,12	3,21	3,27	3,32	3,35	
Rp= Sy.rp		0,6484	0,6811	0,7007	0,7138	0,7248	0,7313	

Lampiran D. Data Pengamatan dan Hasil Analisa Laju Pelelehan *Velva* Mangga Gadung

D.1. Data Pengamatan Laju Pelelehan *Velva* Mangga Gadung Perlakuan $T_{0,6}P_0$

Waktu (menit)	Laju Pelelehan (g/menit)				Rata-rata
	Ulangan 1	Ulangan 2	Ulangan 3	Ulangan 4	
25	0,3588	0,2408	0,2356	0,2408	0,2690
30	0,5740	0,4833	0,5643	0,4677	0,5223
35	0,7433	0,7020	0,7791	0,7023	0,7317
40	0,9193	0,8530	1,0035	0,8178	0,8984
45	1,0571	1,0049	1,1164	1,0196	1,0495
50	1,1142	1,0938	1,2034	1,1624	1,1435
55	1,1356	1,1389	1,1751	1,1185	1,1420
60	1,0410	1,0706	1,0772	1,0637	1,0631
65	0,9622	0,9883	0,9943	0,9834	0,9821
70	0,8935	0,9177	0,9233	0,9132	0,9177
75	0,8339	0,8565	0,8617	0,8523	0,8565
80	0,7818	0,8030	0,8079	0,7990	0,7979
85	0,7358	0,7558	0,7603	0,7520	0,7510
90	0,6949	0,7154	0,7181	0,7102	0,7097

D.2. Data Pengamatan Laju Pelelehan *Velva* Mangga Gadung Perlakuan $T_{0,5}P_{0,1}$

Waktu (menit)	Laju Pelelehan (g/menit)				Rata-rata
	Ulangan 1	Ulangan 2	Ulangan 3	Ulangan 4	
25	0,1176	0,2304	0,1512	0,2080	0,1768
30	0,3570	0,4847	0,3657	0,4443	0,4129
35	0,5411	0,6680	0,6183	0,6691	0,6241
40	0,7010	0,8250	0,7805	0,8423	0,7872
45	0,8298	0,9727	0,9324	1,0420	0,9442
50	0,9506	1,0960	1,0458	1,1634	1,0640
55	1,0718	1,1513	1,1478	1,1011	1,1180
60	1,0473	1,0742	1,0522	1,0093	1,0458
65	0,9668	0,9915	0,9712	0,9317	0,9653
70	0,8977	0,9207	0,9019	0,8651	0,8964
75	0,8379	0,8593	0,8428	0,8084	0,8371
80	0,7855	0,8056	0,7901	0,7579	0,7830
85	0,7406	0,7582	0,7436	0,7133	0,7389
90	0,6995	0,7174	0,7023	0,6737	0,6982

D.3. Data Pengamatan Laju Pelelehan *Velva* Mangga Gadung Perlakuan $T_{0.4}P_{0.2}$

Waktu (menit)	Laju Pelelehan (g/menit)				Rata-rata
	Ulangan 1	Ulangan 2	Ulangan 3	Ulangan 4	
25	0,1000	0,1072	0,1316	0,0676	0,1016
30	0,3600	0,3637	0,3530	0,3733	0,3625
35	0,6003	0,5809	0,5760	0,5811	0,5846
40	0,8028	0,7513	0,7470	0,7743	0,7689
45	0,9513	0,9249	0,9200	0,9689	0,9413
50	1,0516	1,0134	1,0134	1,1100	1,0471
55	1,0689	1,0955	1,0987	1,0091	1,0681
60	1,0190	1,0355	1,0072	0,9720	1,0084
65	0,9406	0,9578	0,9297	0,8972	0,9313
70	0,8734	0,8894	0,8644	0,8344	0,8654
75	0,8152	0,8315	0,8068	0,7797	0,8083
80	0,7643	0,7795	0,7564	0,7310	0,7578
85	0,7201	0,7336	0,7132	0,6880	0,7137
90	0,6801	0,6937	0,6736	0,6507	0,6745

D.4. Data Pengamatan Laju Pelelehan *Velva* Mangga Gadung Perlakuan $T_{0.3}P_{0.3}$

Waktu (menit)	Laju Pelelehan (g/menit)				Rata-rata
	Ulangan 1	Ulangan 2	Ulangan 3	Ulangan 4	
25	0,2024	0,0248	0,0560	0,1496	0,1082
30	0,4940	0,3880	0,3230	0,2840	0,3723
35	0,7091	0,6491	0,4900	0,5480	0,5991
40	0,8965	0,8673	0,7060	0,6198	0,7724
45	1,0080	0,9918	0,8951	0,7627	0,9144
50	1,1048	1,1146	0,9806	0,8924	1,0231
55	1,0775	1,1120	1,0869	1,0013	1,0694
60	1,0308	1,0193	0,9963	0,9902	1,0092
65	0,9515	0,9509	0,9197	0,9140	0,9340
70	0,8836	0,8737	0,8556	0,8487	0,8654
75	0,8247	0,8165	0,7985	0,7931	0,8082
80	0,7731	0,7668	0,7485	0,7444	0,7582
85	0,7288	0,7216	0,7059	0,7014	0,7144
90	0,6883	0,6823	0,6667	0,6624	0,6749

D.5. Data Pengamatan Laju Pelelehan *Velva* Mangga Gadung Perlakuan $T_{0,2}P_{0,4}$

Waktu (menit)	Laju Pelelehan (g/menit)				Rata-rata
	Ulangan 1	Ulangan 2	Ulangan 3	Ulangan 4	
25	0,1748	0,1648	0,0376	0,0204	0,0994
30	0,4273	0,4813	0,3080	0,0730	0,3224
35	0,6291	0,6403	0,5689	0,1886	0,5067
40	0,7670	0,8295	0,8028	0,3465	0,6865
45	0,9140	0,9731	0,9449	0,6149	0,8617
50	0,9930	1,1022	1,0614	0,8064	0,9908
55	1,0545	1,0715	1,0640	0,9685	1,0396
60	0,9898	0,9822	1,0060	0,8878	0,9665
65	0,9137	0,9066	0,9286	0,8258	0,8937
70	0,8484	0,8450	0,8634	0,7679	0,8312
75	0,7919	0,7901	0,8059	0,7177	0,7764
80	0,7448	0,7416	0,7555	0,6738	0,7289
85	0,7018	0,6980	0,7126	0,6341	0,6866
90	0,6628	0,6600	0,6730	0,5989	0,6487

D.6. Data Pengamatan Laju Pelelehan *Velva* Mangga Gadung Perlakuan $T_{0,1}P_{0,5}$

Waktu (menit)	Laju Pelelehan (g/menit)				Rata-rata
	Ulangan 1	Ulangan 2	Ulangan 3	Ulangan 4	
25	0,2596	0,0500	0,2472	0,2008	0,1894
30	0,5167	0,3177	0,5260	0,3533	0,4284
35	0,7226	0,5546	0,6997	0,5920	0,6422
40	0,8725	0,6653	0,8752	0,6635	0,7691
45	0,9742	0,8902	1,0267	0,8720	0,9408
50	1,0666	0,9864	1,0970	0,9428	1,0232
55	1,1284	1,0587	1,0356	0,9825	1,0513
60	1,0343	0,9705	0,9493	0,9038	0,9645
65	0,9548	0,8958	0,8763	0,8392	0,8915
70	0,8866	0,8361	0,8149	0,7806	0,8296
75	0,8275	0,7816	0,7605	0,7296	0,7748
80	0,7758	0,7337	0,7130	0,6849	0,7269
85	0,7313	0,6905	0,6726	0,6446	0,6848
90	0,6907	0,6523	0,6352	0,6088	0,6468

D.7. Data Pengamatan Laju Pelelehan *Velva* Mangga Gadung Perlakuan $T_0P_{0,6}$

Waktu (menit)	Laju Pelelehan (g/menit)				Rata-rata
	Ulangan 1	Ulangan 2	Ulangan 3	Ulangan 4	
25	0,0804	0,0092	0,1276	0,0040	0,0553
30	0,3107	0,1403	0,4273	0,0617	0,2350
35	0,5263	0,3923	0,6300	0,1666	0,4288
40	0,6913	0,5395	0,7405	0,3458	0,5793
45	0,8478	0,7029	0,8851	0,5902	0,7565
50	0,9676	0,8460	1,0012	0,7722	0,8968
55	1,0582	0,9585	0,9896	0,8155	0,9555
60	1,0297	0,9463	0,9555	0,8705	0,9505
65	0,9505	0,8735	0,8854	0,8058	0,8788
70	0,8826	0,8111	0,8221	0,7483	0,8160
75	0,8265	0,7588	0,7684	0,6997	0,7634
80	0,7749	0,7126	0,7204	0,6571	0,7163
85	0,7293	0,6726	0,6780	0,6194	0,6748
90	0,6896	0,6360	0,6412	0,5859	0,6382

D.8. Laju Pelelehan Rata-rata *Velva* Mangga Gadung

	$T_{0,6}P_0$	$T_{0,5}P_{0,1}$	$T_{0,4}P_{0,2}$	$T_{0,3}P_{0,3}$	$T_{0,2}P_{0,4}$	$T_{0,1}P_{0,5}$	$T_0P_{0,6}$
25	0,2690	0,1768	0,1016	0,1082	0,0994	0,1894	0,0553
30	0,5223	0,4129	0,3625	0,3723	0,3224	0,4284	0,2350
35	0,7317	0,6241	0,5846	0,5991	0,5067	0,6422	0,4288
40	0,8984	0,7872	0,7689	0,7724	0,6865	0,7691	0,5793
45	1,0495	0,9442	0,9413	0,9144	0,8617	0,9408	0,7565
50	1,1435	1,0640	1,0471	1,0231	0,9908	1,0232	0,8968
55	1,1420	1,1180	1,0681	1,0694	1,0396	1,0513	0,9555
60	1,0631	1,0458	1,0084	1,0092	0,9665	0,9645	0,9505
65	0,9821	0,9653	0,9313	0,9340	0,8937	0,8915	0,8788
70	0,9177	0,8964	0,8654	0,8654	0,8312	0,8296	0,8160
75	0,8565	0,8371	0,8083	0,8082	0,7764	0,7748	0,7634
80	0,7979	0,7830	0,7578	0,7582	0,7289	0,7269	0,7163
85	0,7510	0,7389	0,7137	0,7144	0,6866	0,6848	0,6748
90	0,7097	0,6982	0,6745	0,6749	0,6487	0,6468	0,6382

Lampiran E. Data Pengamatan dan Hasil Analisa *Overrun Velva* Mangga Gadung

E.1. Data Pengamatan %*Overrun Velva* Mangga Gadung

Perlakuan	Ulangan				Jumlah	Rata-rata
	1	2	3	4		
T _{0,6} P ₀	10,87	6,38	12,77	10,64	40,66	10,17
T _{0,5} P _{0,1}	13,04	10,64	11,58	11,58	46,84	11,71
T _{0,4} P _{0,2}	15,56	10,64	10,64	12,77	49,61	12,40
T _{0,3} P _{0,3}	19,10	16,30	19,54	13,98	68,92	17,23
T _{0,2} P _{0,4}	16,85	12,77	12,77	15,22	57,61	14,40
T _{0,1} P _{0,5}	11,11	12,77	10,64	15,22	49,74	12,44
T ₀ P _{0,6}	15,91	10,64	11,83	15,22	53,60	13,40
Jumlah	102,44	82,14	89,77	94,63		

E.2. ANAVA *Overrun Velva* Mangga Gadung

Sbr. Keragaman	JK	dB	KT	Fhitung	Ftabel ($\alpha = 5\%$)
Perlakuan	121,2726929	6	20,21212	5,30623802*	2,661302
Ulangan	37,32612857	3	12,44204	3,26637956	3,159911
Galat	68,56422143	18	3,809123		
Total	227,1630429	27			

Keterangan: * Fhitung > F tabel (0,05), berarti ada beda nyata antar perlakuan

E.3. Uji DMRT *Overrun Velva* Mangga Gadung

Perlakuan	Rerata	p						Notasi
		2	3	4	5	6	7	
T _{0,6} P ₀	10,17							a
T _{0,5} P _{0,1}	11,71	1,54						a
T _{0,4} P _{0,2}	12,40	0,69	2,23					a
T _{0,2} P _{0,4}	12,44	0,04	0,73	2,27				a
T _{0,1} P _{0,5}	13,40	0,96	1,00	1,69	3,23			a
T _{0,3} P _{0,3}	14,40	1,00	1,96	2,00	2,69	4,23		a
T ₀ P _{0,6}	17,23	2,83	3,83	4,79	4,83	5,52	7,06	b
rp (0,05;18)		2,97	3,12	3,21	3,27	3,32	3,35	
Rp= Sy.rp		2,8981	3,0445	3,1323	3,1909	3,2397	3,2689	

F.1. Data Pengamatan dan Hasil Analisa Kenampakan *Velva* Mangga Gadung

F.1.1. Data Pengamatan Kenampakan *Velva* Mangga Gadung

Panelis	T0,6P0	T0,5P0,1	T0,4P0,2	T0,3P0,3	T0,2P0,4	T0,1P0,5	T0P0,6	Total
	518	358	721	672	836	289	465	
1	7.8	2.3	1.7	1.3	5.3	2.5	6.8	27.7
2	4.4	5.7	5.4	4.9	7.2	5.4	5	38
3	2.9	6	3.3	3	6.1	4.3	6.5	32.1
4	5	6.5	6.6	4.7	7.3	5.5	4	39.6
5	3.7	7.5	4.3	7.1	6.5	7.2	6.2	42.5
6	7.8	6.8	5.2	4.9	5.7	5.9	5.2	41.5
7	8	7	7.6	3	6	3	4.5	39.1
8	6.3	8	8.2	6	8.1	7	7.5	51.1
9	4	6.5	5.5	7.5	7	6.5	5	42
10	8.9	6.6	5.2	5.9	7.7	7.4	8.2	49.9
11	4.9	7	7.1	8.2	6.9	6.5	4.8	45.4
12	8.4	7.8	6.2	5.3	6.9	6.9	6.4	47.9
13	4	5	8	6.4	6.5	6.7	4	40.6
14	3.7	4.5	5.3	7.2	7.3	4.8	7.4	40.2
15	4	6	8	7	3.5	4	7	39.5
16	7.5	5.5	5.4	4.4	3.6	4.5	2.5	33.4
17	3.3	6.5	8.3	5.9	5	5.3	4.5	38.8
18	2.3	6.7	6.5	7.1	3.5	5.9	5.3	37.3
19	2.2	5.4	8.4	6.3	5.4	6.5	3.3	37.5
20	6.3	6.2	5.8	5.5	7.4	5.4	6.5	43.1
21	2.7	7.5	7	7.8	7	6.5	4	42.5
22	5.1	5.2	6.4	5.4	5.7	5.7	6.6	40.1
23	6.6	6.3	6.2	6.5	6.4	6.9	6.8	45.7
24	2.2	5.3	7.3	2.9	6.3	6.4	5.2	35.6
25	2.5	5.7	6.3	7.1	7.5	8.3	5.3	42.7
26	4.2	7.8	5.3	6.7	2.5	6.6	3.5	36.6
27	4.9	5.6	8.5	7.1	8.2	7.5	9	50.8
28	7	6.2	6.5	6.5	6.3	5.7	6	44.2
29	6.4	4.5	1.5	5.5	3.5	7.5	4.4	33.3
30	2.3	4.7	4.5	1.4	6.7	2.4	7.5	29.5
31	4.8	4.6	5.4	7.5	4.5	5.8	3.8	36.4
32	5.9	7.6	5.4	5.8	6.4	7.9	7.1	46.1
33	5	7	6	6	4	5	4	37
34	5	5.4	5.7	4.7	4.4	6.3	7.3	38.8
35	7.2	3.8	5.7	7.9	6.7	5.4	5.9	42.6
36	4.4	3.4	3.9	5.8	5.8	5	4.8	33.1
37	5.5	5.6	5.5	7.5	8.3	7.4	7.5	47.3
38	6.7	5	7	7	6.5	6.3	6	44.5
39	7.5	8	6.4	5	5.5	7	6	45.4
40	7.2	7.8	7.8	6.5	7.4	7.7	7.5	51.9
41	7.8	6.5	3.5	7.7	5.5	5.4	4.5	40.9
42	7.9	7.7	6.6	6.3	8.2	7.5	8.5	52.7
43	5	6	4	6.5	3	5.5	5.3	35.3
44	6.3	4.3	5.8	4.6	5.8	6.4	5.2	38.4
45	7.3	7.7	6.7	6.7	8.6	3.7	7.3	48
46	6	6	4	8	2	6.1	2	34.1
47	4.1	6.3	4.5	4.5	6.3	4.2	4.5	34.4
48	6.7	4.7	7.7	5.3	3.5	1.8	6.7	36.4
49	7.5	6	7.7	6	6.5	6.9	6.5	47.1
50	6.8	6.5	3.7	6	5.3	6.3	2.8	37.4
Total	273.9	302.2	294.5	293.8	297.2	292.3	282.1	2036
Rata-rata	5.48	6.04	5.89	5.88	5.94	5.85	5.64	

F.2. Data Pengamatan dan Hasil Analisa Tekstur *Velva* Mangga Gadung

F.2.1 Data Pengamatan Tekstur *Velva* Mangga Gadung

Panelis	T0,6P0	T0,5P0,1	T0,4P0,2	T0,3P0,3	T0,2P0,4	T0,1P0,5	TOP0,6	Total
	518	358	721	672	836	289	465	
1	5.4	8.4	8.6	8.5	4.5	8.3	8.5	52.2
2	5.2	4.5	4.7	5.6	6.6	5.2	5.1	36.9
3	3	6	6.5	6.4	6	4	3.5	35.4
4	4	8	7	5	5	7.5	4.4	40.9
5	4.5	5.7	6.8	6.7	5.7	5.7	5.4	40.5
6	7.3	7.3	7.9	7.8	8.3	7.2	6.2	52
7	8	8.2	9	7.7	8.5	7.5	7.5	56.4
8	7.4	8	8.5	7.5	7	8.1	8.3	54.8
9	3	5.5	6	6.6	5.2	5	4	35.3
10	6.7	7.7	8.3	6.3	6.4	6.5	7.2	49.1
11	8.3	3.7	4.8	8.9	8.2	3.5	6.2	43.6
12	7.5	7.9	5.7	8.4	7.2	6.6	4.8	48.1
13	4.5	5.5	6	5	5.5	7	5	38.5
14	3.7	4.3	5.8	6.4	5.9	6.6	5.5	38.2
15	3	6	6	7	7	3.5	5	37.5
16	3.8	3.1	7.4	6.3	4.9	4.1	5.4	35
17	1.9	4.8	6.5	5.8	2.9	6.2	7.4	35.5
18	3.8	5.8	7.2	6.6	6.9	5.2	4.3	39.8
19	5.2	4.3	8.1	7.4	7.5	8.9	6.3	47.7
20	7.8	5.5	6.2	7.2	5.8	5.6	6.5	44.6
21	5	5	7.4	8	8	5.4	5.5	44.3
22	6.6	6	5.6	6.8	5.4	5.8	5.4	41.6
23	6.2	6.4	7.5	7.1	6.3	6.5	6.5	46.5
24	9	4.8	8.3	3.9	5.8	4.4	6.2	42.4
25	2.8	6.3	4.2	6.2	6.7	7.5	3.8	37.5
26	3.2	5.3	6.3	6.8	7.3	6.3	4.3	39.5
27	7.2	6	5	7.6	8	8	6.6	48.4
28	6	7.7	7.5	7.9	6	7.6	7.5	50.2
29	7.7	6.4	4.5	5.6	3.2	7.4	3.6	38.4
30	7.5	4.3	4.7	6.4	6.5	5.6	5.5	40.5
31	5.3	3.3	5.8	4.4	7.6	7.2	7.4	41
32	6.7	5.5	4	8.5	8	7.4	6.3	46.4
33	3.9	6	7	6.2	6.9	6.8	5.9	42.7
34	5.2	4	5.2	6.1	5.8	4.8	7.2	38.3
35	5.2	6.2	6.6	6.2	4.2	5.8	6.7	40.9
36	6.7	5	6.1	5.8	5.1	5.9	4.4	39
37	7.4	7.7	7.3	7.5	7.9	8.4	8.3	54.5
38	5.4	5	7.5	5.2	6	5.7	5.5	40.3
39	5.5	6.4	6	7.5	7	8	5	45.4
40	7.2	7.5	7.9	7.5	6.8	8.3	7.7	52.9
41	5.6	2.2	3.4	6.4	2.4	4.5	3.5	28
42	7.2	7.5	6.3	8.1	7.5	7.7	8.7	53
43	6	7	7.5	6.5	6.4	8	6	47.4
44	6.9	6.7	3.8	6.3	4.3	4.5	4.6	37.1
45	7.1	7.2	6.2	5.4	7.9	7.9	7.6	49.3
46	7.9	6.9	5.9	8	7	3.9	4	43.6
47	6.5	7.5	7.4	6	8	8.2	7.7	51.3
48	6.4	3.7	4.5	6.6	8.5	3.7	8.3	41.7
49	8.5	5.4	4.5	7.5	7.5	5.6	8.4	47.4
50	4.2	7.1	7.4	7.3	5.2	7.5	5.2	43.9
Total	290	296.2	318.3	336.4	318.2	316.5	299.8	2175.4
Rata-rata	5.80	5.92	6.37	6.73	6.36	6.33	6.00	

F.3. Data Pengamatan dan Hasil Analisa Aroma *Velva* Mangga Gadung

F.3.1 Data Pengamatan Aroma *Velva* Mangga Gadung

Panelis	T0,6P0	T0,5P0,1	T0,4P0,2	T0,3P0,3	T0,2P0,4	T0,1P0,5	T0P0,6	Total
	518	358	721	672	836	289	465	
1	6.5	2.3	3.4	2.7	7.7	8.2	8.7	39.5
2	5.3	5.1	5.5	4.6	6.3	5.2	5	37
3	3.5	6	5.8	3.6	5.2	4.6	5.8	34.5
4	5	3.6	5	5.2	4.4	4.9	5.5	33.6
5	6.3	6.5	5.8	6.2	6.3	6.7	6.2	44
6	8.3	5.8	7.4	7.6	8.5	7.5	7.8	52.9
7	5.5	5	5.3	3.2	3	3.5	3.5	29
8	8	6.4	8.3	8.4	8	7.2	7.8	54.1
9	5	5.5	5.2	4.5	5.3	6	5.5	37
10	7.8	7.3	7.6	8.1	8.1	7.2	7.8	53.9
11	8.8	7.8	8	8.8	8.2	7.9	7.7	57.2
12	5.3	7.6	5.7	5.4	7.8	5.2	5.3	42.3
13	5	5	6.5	6.4	5.5	5.3	7	40.7
14	6.5	6.5	7.2	6.3	7	6.8	6.7	47
15	5	7.5	6	6	3	4.5	4	36
16	6.7	6.7	7	7	6.6	6.9	6.3	47.2
17	7.7	7.3	5.2	7.9	6.5	6.3	5.7	46.6
18	7.4	6.8	7.1	5.1	4.6	5.6	5.3	41.9
19	6.3	5.4	8.5	4.9	6.2	6.9	2.2	40.4
20	6.6	5.2	5.3	6.2	6.1	5.5	5.7	40.6
21	7.3	6.8	7.1	7	6.9	6.5	6.3	47.9
22	5.7	4.3	5.3	5.7	6.5	4.5	4.7	36.7
23	6	6.2	7.8	6.3	6.1	6.3	6.2	44.9
24	8.3	5.2	8.3	1.8	4.8	2.6	5.7	36.7
25	6.9	6.5	6.7	7.4	7.1	6.3	6.9	47.8
26	3.4	6.6	5.6	4.6	2.5	5.5	6.6	34.8
27	7.5	7.2	8.4	7.3	7	8	7.1	52.5
28	5.8	5	5.5	5.7	5.2	4.6	5.6	37.4
29	4.9	3.6	3.3	4.8	4.9	6.5	4.6	32.6
30	8.2	6.6	5.2	5	3.2	3.3	2.2	33.7
31	7.6	3.2	5.7	6.1	6.6	7.3	4.6	41.1
32	5.9	6.7	6.5	6.2	5.4	5.9	6	42.6
33	7.9	5	5.9	4.8	6.9	6.1	6	42.6
34	3.1	4.5	6.8	4.9	6.4	6.8	4.9	37.4
35	2.8	4.6	7.7	4.7	3.8	6.7	5.2	35.5
36	4.9	5.3	4.6	3.9	5.3	5	4.1	33.1
37	7.4	7.5	7.4	7.9	7.7	8.4	8.5	54.8
38	6.5	5.2	6.5	7	5.5	5	4.9	40.6
39	5	7	8.4	7.4	8	6	5.6	47.4
40	7.2	7.8	7.8	5.9	6.4	8.2	7.3	50.6
41	5.5	6.2	6.4	6.5	6.5	7.4	8.4	46.9
42	6.7	6.2	6.2	8.2	5.4	6.5	5.8	45
43	5.8	4.9	5.9	5.9	5.9	5.9	6.9	41.2
44	6.9	5.2	6.7	5.9	6.4	5.2	5.1	41.4
45	8.1	4.5	8	7.3	5.7	3.6	7.2	44.4
46	8	7	6.9	6.3	6	2.9	5.9	43
47	6	5	5	5.7	5.5	5.3	4.9	37.4
48	6.3	4.7	7.4	7.7	7.4	6.6	5.5	45.6
49	8.5	4.5	4.5	6.5	5.5	3	6.5	39
50	8.2	6.5	7.3	7.9	4.3	5.3	6.5	46
Total	318.8	288.8	320.6	300.4	299.1	293.1	295.2	2116
Rata-rata	6.38	5.78	6.41	6.01	5.98	5.86	5.90	

F.4. Data Pengamatan dan Hasil Analisa Rasa *Velva* Mangga Gadung

F.4.1 Data Pengamatan Rasa *Velva* Mangga Gadung

Panelis	T0,6P0	T0,5P0,1	T0,4P0,2	T0,3P0,3	T0,2P0,4	T0,1P0,5	TOP0,6	Total
	518	358	721	672	836	289	465	
1	8.5	6.3	7.6	7.7	4.6	8.5	8.8	52
2	4.6	6.3	6.2	6.4	6.6	6.9	5.1	42.1
3	6	4.5	4.2	6.5	5	3.3	5.5	35
4	5.5	6.5	5	5.3	5	4.5	4.4	36.2
5	6.4	6.7	6.9	5.5	6.3	6.2	7.2	45.2
6	8.2	7.2	7.4	7.6	8.4	7.5	7.8	54.1
7	6	5.5	9	8	8.5	6.5	9	52.5
8	7.9	6.4	8.4	8.4	8	7.4	7.7	54.2
9	3.5	4	4.5	6	5.5	4.8	5	33.3
10	8.6	8.7	8.5	8.7	8.8	8.1	8.2	59.6
11	7.2	6.5	5.9	7	6.2	6.2	6	45
12	7.2	7.9	5.8	4.8	7	4.2	4.2	41.1
13	7.5	5.5	4.5	6.2	6	5.5	8	43.2
14	6.5	7.4	7.8	7.2	7.7	7	7.4	51
15	6.5	8	4	8	6	4.5	7	44
16	5.7	5.3	6.6	6.2	6.9	5.1	6.1	41.9
17	7.3	5.5	6.3	6.4	8.3	4.6	6.6	45
18	5.7	6.8	6.3	6.6	4.9	5.8	5.4	41.5
19	2.3	5.1	8.9	5.2	6.4	7.9	7.2	43
20	6.4	6.2	6.8	7.3	5.7	6.4	5.8	44.6
21	8	5	7	5	4.5	6	8	43.5
22	5.8	3.4	5.5	5.6	5.5	3.6	3.6	33
23	7.5	7.3	6.9	7.1	7.8	6.5	7.1	50.2
24	8.4	5.1	8.3	5.4	3.9	6.3	4.1	41.5
25	7.1	7.6	7.8	7.3	7.3	8.2	7.6	52.9
26	4.4	6.6	7.3	5.3	6.3	3.6	5.4	38.9
27	9	8.9	8.5	8.8	8.7	8.4	8.6	60.9
28	6.8	7.3	7.5	6.7	7	7	8	50.3
29	6	6.5	5.4	4.8	6.4	5.8	6.9	41.8
30	8.2	5.4	5	8	6.7	4.2	5.6	43.1
31	8.2	4.8	4.3	6.6	5.3	7.3	6.2	42.7
32	6.3	7.1	6.5	6.1	5.4	5.6	7.8	44.8
33	6	6.9	7	8	7	7.9	5.9	48.7
34	4.7	5.9	6.3	7.5	5.2	4.4	7.1	41.1
35	5.3	5.6	4.6	5.6	4.2	6.4	6.8	38.5
36	7.4	5.8	6	6.9	4.3	6.4	3.7	40.5
37	7.6	8.3	8.2	7.2	7.7	8.5	8.5	56
38	7.5	7	6	7	5.5	6.5	6.5	46
39	5	7	8	8.4	8	6	5.6	48
40	6.3	6.8	6.4	5.9	6.8	8.4	7.2	47.8
41	5.5	6.1	6.4	6.5	6.5	7.5	8.5	47
42	7.2	7.7	6.2	7.6	7.5	6.5	7.2	49.9
43	6	5.8	6.7	6.9	6	7	5.9	44.3
44	5.7	6.8	5.6	6.2	7.3	4.8	6.5	42.9
45	6.7	7.2	3.7	3.3	4.9	5.8	4.3	35.9
46	7.9	7	3.9	6.9	3.9	2.9	5.9	38.4
47	7.4	6.9	5.4	8	8	5.5	6.3	47.5
48	6.4	4.8	4.7	5.7	7.4	5.7	6.6	41.3
49	8	7.4	7.7	7.3	8.5	6.5	6.4	51.8
50	6.6	7.4	5.2	6.2	4.9	4.8	7.2	42.3
Total	330.4	321.7	318.6	332.8	320.2	304.9	327.4	2256
Rata-rata	6.61	6.43	6.37	6.66	6.40	6.10	6.55	

F.1.2. ANAVA Kenampakan *Velva* Mangga Gadung

Sbr. Keragaman	JK	dB	KT	Fhitung	Ftabel ($\alpha=5\%$)
Ulangan	242,7943	49	4,954985	2,359211	1,397767
Perlakuan	11,14274	6	1,857124	0,88423	2,129475
Galat	617,4801	294	2,100272		
Total	871,4171	349			

F.2.2. ANAVA Tekstur *Velva* Mangga Gadung

Sbr. Keragaman	JK	dB	KT	Fhitung	Ftabel ($\alpha=5\%$)
Ulangan	272,4738	49	5,56069	3,567425	1,397767
Perlakuan	31,31309	6	5,218848	3,348118*	2,129475
Galat	458,2698	294	1,558741		
Total	762,0567	349			

Keterangan: * Fhitung > F tabel (0,05), berarti ada beda nyata antar perlakuan

F.2.3. Uji DMRT Tekstur *Velva* Mangga Gadung

Perlakuan	Rerata	p						Notasi
		2	3	4	5	6	7	
T _{0,6} P ₀	5,8							a
T _{0,5} P _{0,1}	5,924	0,124						ab
T ₀ P _{0,6}	5,996	0,072	0,196					ab
T _{0,1} P _{0,5}	6,33	0,334	0,406	0,53				bc
T _{0,2} P _{0,4}	6,364	0,034	0,368	0,44	0,564			bc
T _{0,4} P _{0,2}	6,366	0,002	0,036	0,37	0,442	0,566		bc
T _{0,3} P _{0,3}	6,728	0,362	0,364	0,398	0,732	0,804	0,928	c
rp (0,05;18)		2,97	3,12	3,21	3,27	3,32	3,35	
Rp= Sy.rp		0,5245	0,5510	0,5669	0,5775	0,5863	0,5916	

F.3.2. ANAVA Aroma *Velva* Mangga Gadung

Sbr. Keragaman	JK	dB	KT	Fhitung	Ftabel ($\alpha=5\%$)
Ulangan	298,6886	49	6,095685	4,75727	1,397767
Perlakuan	18,76577	6	3,127629	2,440903*	2,129475
Galat	376,7142	294	1,281341		
Total	694,1686	349			

Keterangan: * Fhitung > F tabel (0,05), berarti ada beda nyata antar perlakuan

F.3.3. Uji DMRT Aroma *Velva* Mangga Gadung

Perlakuan	Rerata	p						Notasi
		2	3	4	5	6	7	
T _{0,5} P _{0,1}	5,776							a
T _{0,1} P _{0,5}	5,862	0,086						a
T ₀ P _{0,6}	5,904	0,042	0,128					ab
T _{0,2} P _{0,4}	5,982	0,078	0,12	0,206				abc
T _{0,3} P _{0,3}	6,008	0,026	0,104	0,146	0,232			abc
T _{0,6} P ₀	6,376	0,368	0,394	0,472	0,514	0,6		bc
T _{0,4} P _{0,2}	6,412	0,036	0,404	0,43	0,508	0,55	0,636	c
rp (0,05;18)		2,97	3,12	3,21	3,27	3,32	3,35	
Rp= Sy.rp		0,4755	0,4995	0,5139	0,5235	0,5315	0,5363	

F.4.2. ANAVA Rasa *Velva* Mangga Gadung

Sbr. Keragaman	JK	dB	KT	Fhitung	Ftabel (α = 5%)
Ulangan	276,8029	49	5,649038	4,998788	1,397767
Perlakuan	10,46177	6	1,743629	1,542923	2,129475
Galat	332,2439	294	1,130081		
Total	619,5086	349			

Lampiran G. Hasil Uji Pembobotan *Velva* Mangga Gadung

Variabel	BV	T _{0,6} P ₀		T _{0,5} P _{0,1}		T _{0,4} P _{0,2}		T _{0,3} P _{0,3}		T _{0,2} P _{0,4}		T _{0,1} P _{0,5}		T ₀ P _{0,6}	
		np	nh	np	nh	np	nh	np	nh	np	nh	np	nh	np	nh
O. Kenampakan	0,2	5,48	1,096	6,04	1,208	5,89	1,178	5,88	1,176	5,94	1,188	5,85	1,17	5,64	1,128
O. Tekstur	0,3	5,80	1,74	5,92	1,776	6,37	1,911	6,73	2,019	6,36	1,908	6,33	1,899	6,00	1,8
O. Aroma	0,3	6,38	1,914	5,78	1,734	6,41	1,923	6,01	1,803	5,98	1,794	5,86	1,758	5,90	1,77
O. Rasa	0,2	6,61	1,322	6,43	1,286	6,37	1,274	6,66	1,332	6,40	1,28	6,10	1,22	6,55	1,31
Total			6,072		6,004		6,286		6,33		6,17		6,047		6,008

Contoh Perhitungan:

Organoleptik Kenampakan T_{0,6}P₀

$$BV = 0,2$$

$$np = 5,48$$

$$nh = np \times BV = 5,48 \times 0,2 = 1,096$$

