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LAMPIRAN

peleburan plastik 5 gr/220 ml minyak				peleburan plastik 10 gr/220 ml minyak			
waktu	suhu°C	keterangan	estimasi	waktu	suhu°C	keterangan	estimasi
10:28:28	120°C	mulai		10:40:03	24°C	mulai	
10:36:16	218°C			10:43:37	136°C		
10:38:36	232°C			10:46:52	229°C		
10:39:26	233°C	plastik masuk		10:49:53	276°C		
10:43:12	219°C			10:54:09	229°C	plastik masuk	
10:48:11	234°C			10:59:06	222°C		
10:50:03	235°C	leleh		11:00:43	228°C	leleh	
waktu	suhu°C	keterangan	estimasi	waktu	suhu°C	keterangan	estimasi
10:58:05	35	mulai		11:08:09	37	mulai	
11:00:40	100			11:10:02	125		
11:02:49	161			11:15:47	241		
11:06:52	236			11:20:57	246		
11:07:39	235	plastik masuk		11:23:01	230	plastik masuk	
11:10:39	235			11:25:31	215		
11:14:05	234	leleh		11:26:22	226		
waktu	suhu°C	keterangan	estimasi	11:27:44	243		
10:21:50	40	mulai		11:35:33	234	leleh	
10:28:41	187			waktu	suhu°C	keterangan	estimasi
10:30:11	199			12:05:14	31	mulai	
10:32:24	209			12:09:24	111		
10:34:10	230	plastik masuk		12:11:02	172		
10:39:10	233			12:13:46	227		
10:41:31	230	leleh		12:16:34	231	plastik masuk	
				12:18:36	227		
				12:21:25	227		
				12:26:14	221	leleh	

peleburan plastik 15 gr/220 ml minyak				peleburan plastik 20 gr/220 ml minyak			
waktu	suhu °C	keterangan	estimasi	waktu	suhu °C	keterangan	estimasi
11:53:13	86	mulai		13:04:19	30	mulai	
11:54:16	96			13:08:36	100		
11:55:37	119			13:11:04	167		
11:57:04	143			13:15:23	231		
11:59	195			13:16:05	230	plastik masuk	
12:01	219			13:17:47	225		
12:02:16	230	plastik masuk		13:20:15	232		
12:04:21	223			13:25:12	226		
12:05:58	229			13:26:27	230	leleh	
12:06:47	233			waktu	suhu °C	keterangan	estimasi
12:08:37	233	leleh		08:14:21	36	mulai	
waktu	suhu °C	keterangan	estimasi	08:19:43	149		
13:13:05	35	mulai		08:26:09	220		
13:16:43	151			08:30:31	236	plastik masuk	
13:18:15	185			08:33:11	218		
13:19:16	206			08:35:00	220		
13:20:32	219			08:37:33	238		
13:21:21	230	plastik masuk		08:39:59	238		
13:25:13	234			08:45:05	231	leleh	
13:28:51	234			waktu	suhu °C	keterangan	estimasi
13:31:11	234			08:51:23	32	mulai	
13:35:10	235	leleh		08:53:41	77		
waktu	suhu °C	keterangan	estimasi	08:57:52	159		
13:46:11	30	mulai		08:58:49	189		
13:51:19	170			08:59:33	220		
13:55:51	195			08:59:56	231		
13:58:11	209			09:03:58	230	plastik masuk	
14:02:31	229	plastik masuk		09:06:19	201		
14:06:11	230			09:10:15	233		
14:08:36	229			09:13:48	235		
14:14:24	234	leleh		09:15:46	237	leleh	

peleburan plastik 25 gr/ 220 ml minyak			
waktu	suhu °C	keterangan	estimasi
09:45:22		mulai	
09:50:13			
09:53:39			
09:59:11			
10:08:31		plastik masuk	
10:11:11			
10:15			
10:18:11			
10:19:13		leleh	
waktu	suhu °C	keterangan	estimasi
10:20:34	30	mulai	
10:23:11	80		
10:27:46	170		
10:29:01	202	plastik masuk	
10:32:10	230		
10:34:18	258		
10:36:31	241		
10:38:41	236		
10:40:14	233		
10:43:20	230	leleh	
waktu	suhu °C	keterangan	estimasi
11:05:43	34	mulai	
11:07:33	87		
11:10:49	153		
11:13:25	209		
11:16:02	234	plastik masuk	
11:17	232		
11:19:25	235		
11:20:14	229		
11:22:47	246		
11:25:56	230		
11:28:33	234	leleh	

Data T1 (180°C) plastik 5x3 gram		
waktu	suhu °C	keterangan
10:11:01	28 °C	mulai
10:21:51	95	
10:31:01	173	
10:34:33	181	bahan masuk
10:36:01	179	
10:37:39	176	
10:38:06	180	
10:39:20	179	
10:40:11	179	leleh
10:41:00	184	
10:47:40	181	bahan masuk
10:51:05	182	
10:54:49	175	
10:56:46	180	leleh
10:57:08	181	
10:57:31	180	bahan masuk
10:00:05	176	
10:01:33	178	
10:03:30	180	
10:07:44	179	
10:11:58	178	leleh
waktu	suhu	keterangan
10:44:32	32	mulai
10:54:20	169	
11:02:12	180	
11:04:05	180	masuk
11:06:23	181	
11:07:11	184	leleh
11:08:21	181	
11:09:04	182	masuk
11:11:45	179	
11:16:11	179	leleh
11:18:05	183	masuk
11:21:28	178	
11:22:17	178	
11:30:08	179	leleh
waktu	suhu	keterangan
10:40:02	27	mulai
10:43:12	55	
10:44:50	67	
10:46:47	87	
10:49:04	112	
10:51:33	128	
10:54	156	
10:56:12	160	
10:58:35	124	
10:59	181	
11:01:28	182	masuk
11:03:49	180	
11:04:38	184	
11:07:02	182	
11:09:27	182	
11:11:29	180	
11:12:55	186	leleh
11:13:58	180	
11:14:30	179	masuk
11:15:11	177	
11:16:29	178	
11:17:34	182	
11:19:01	182	
11:19:04	182	
11:21:11	180	
11:24:01	178	
11:25:20	180	
11:28:05	182	leleh
11:29:27	183	
11:30:13	182	masuk
11:33:28	180	
11:35	183	
11:37:25	182	
11:39:38	180	
11:41:35	183	
11:46:26	181	leleh

Data T2 (230°C) Plastik 5x3 gram		
waktu	suhu°C	keterangan
13:19:01	30 °C	mulai
13:29:08	128 °C	
13:39:06	208 °C	
13:49:16	224 °C	
13:51:07	229 °C	
13:51:33	229	masuk
13:53:22	219	
13:54:13	220	leleh
13:54:43	221	
13:56:30	220	masuk
13:58:33	218	
14:02:11	219	leleh
14:05:07	222	
14:05:40	223	masuk
14:07:01	222	
14:10:05	223	
14:11:01	221	leleh
waktu	suhu	keterangan
12:40:03	34	mulai
12:50:12	142	
13:00:23	217	
13:05	229	
13:06:55	228	masuk
13:09:28	228	
13:10:34	228	leleh
13:12:25	227	
13:12:58	227	masuk
13:15:38	229	
13:17:14	228	
13:20:10	227	leleh
13:22:01	227	
13:23:04	228	masuk
13:25:16	227	
13:27:11	228	
13:29:00	227	
13:30:02	228	leleh
waktu	suhu	keterangan
13:18:11	60	mulai
13:21:13	106	
13:25:04	155	
13:27:51	177	
13:30:09	193	
13:32:20	205	
13:34:58	212	
13:37:14	219	
13:40:58	225	
13:42:39	229	
13:44:08	229	
13:44:34	231	masuk
13:46:41	228	
13:48:35	230	
13:50:23	229	
13:52:50	231	leleh
13:54:44	232	masuk
14:00:58	231	
14:04:30	229	leleh
14:05:14	230	
14:05:30	234	masuk
14:07:47	230	
14:11:07	228	
14:12:02	231	
14:14:13	235	
14:16:27	230	
14:17:50	229	leleh

data t3 (280°C) plastik 5x3 gram		
waktu	suhu°C	keterangan
14:23:01	30 °C	mulai
14:33:02	189	
14:43:06	255	
14:50:43	281	
14:51:11	281	
14:52	281	masuk
14:54:11	285	leleh
14:54:56	280	masuk
14:57:11	286	leleh
15:00:32	289	
15:01:01	289	masuk
15:02:47	280	
15:03:28	282	leleh
waktu	suhu	keterangan
14:00:02	58	mulai
14:10:12	120	
14:20	249	
14:30:21	261	
14:37:53	280	
14:41:35	283	masuk
14:42:49	281	
14:44:40	280	leleh
14:45:45	277	
14:48:42	277	masuk
14:51:04	280	
14:52:53	283	
14:54:07	281	leleh
14:55:05	283	
14:56:10	282	masuk
14:57:27	280	
14:58:34	282	
15:00:13	277	
15:01:20	277	
15:04:53	277	leleh
waktu	suhu	keterangan
14:27:09	39	mulai
14:29:14	92	
14:31:01	141	
14:32:53	200	
14:34:46	238	
14:36:23	268	
14:38:01	283	
14:38:34	281	
14:41:56	292	
14:44:22	283	masuk
14:45:03	287	
14:48:10	283	
14:50:13	268	leleh
14:52:14	273	
14:53:25	279	
14:54:22	280	masuk
14:56:02	271	
14:57:51	272	
14:58:57	275	
14:59:53	280	
15:00:35	278	leleh
15:01:39	277	
15:02:25	278	masuk
15:03:30	278	
15:05:44	288	
15:06:29	285	
15:07:20	287	
15:08:19	277	
15:09:40	284	leleh

MINYAK GORENG					
volume (ml)	berat (gr)	berat gelas (gr)	jumlah (gr)	Densitas gr/ml	densitas kg/m³
50	130,123	87,229	42,894	0,85788	857,88
100	172,2	87,229	84,971	0,84971	849,71
150	212,67	87,229	125,441	0,836273333	836,273
200	256,699	87,229	169,47	0,84735	847,35
200	256,699	87,229	169,47	0,84735	847,35
150	212,702	87,229	125,473	0,836486667	836,487
100	172,042	87,229	84,813	0,84813	848,13
50	129,888	87,229	42,659	0,85318	853,18
rata-rata			105,64888	0,847045	847,04375

KONSENTRASI 5 GR					
volume (ml)	berat (gr)	berat gelas (gr)	jumlah (gr)	Densitas (gr/ML)	densitas (kg/m³)
50	129,587	87,361	42,226	0,84452	844,52
100	177,473	87,361	90,112	0,90112	901,12
150	226,502	87,361	139,141	0,927606667	927,606667
200	269,874	87,361	182,513	0,912565	912,565
200	269,874	87,361	182,513	0,912565	912,565
150	224,49	87,361	137,129	0,914193333	914,193333
100	175,905	87,361	88,544	0,88544	885,44
50	133,157	87,361	45,796	0,91592	915,92
rata-rata			113,49675	0,90174125	901,74125

KONSENTRASI 10 GR					
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volume (ml)	berat (gr)	berat gelas (gr)	jumlah (gr)	Densitas (gr/ml)	Densitas (kg/m ₃)
50	143,296	87,229	56,067	1,12134	0,00112134
100	195,298	87,229	108,069	1,08069	0,00108069
150	223,176	87,229	135,947	0,906313333	0,000906313
200	269,946	87,229	182,717	0,913585	0,000913585
200	269,946	87,229	182,717	0,913585	0,000913585
150	227,983	87,229	140,754	0,93836	0,00093836
100	180,081	87,229	92,852	0,92852	0,00092852
50	131,326	87,229	44,097	0,88194	0,00088194
rata-rata			117,9025	0,960541667	0,000960542

KONSENTRASI 15 GR					
volum e	berat	berat gelas	jumlah	Densitas	densitas (kg/m ₃)
50	141,81	87,411	54,399	1,08798	0,00108798
100	201,595	87,411	114,184	1,14184	0,00114184
150	240,012	87,411	152,601	1,01734	0,00101734
200	284,873	87,411	197,462	0,98731	0,00098731
200	264,873	87,411	177,462	0,88731	0,00088731
150	237,494	87,411	150,083	1,000553333	0,001000553
100	199,195	87,411	111,784	1,11784	0,00111784
50	132,918	87,411	45,507	0,91014	0,00091014
rata-rata			125,43525	1,018789167	0,001018789

Berat Resapan Larutan Plastik

waktu	konsentrasi	penirisan kayu	berat awal	oven	goreng	oven	resapan
15 menit	5 gr	0	67,102	57,807	59,502	59,379	1,572
		10	42,353	36,367	47,01	46,811	10,444
		20	40,455	34,74	51,47	51,361	16,621
30 menit	5 gr	0	43,15	37,189	39,588	39,288	2,099
		10	59,743	51,351	63,496	63,339	11,988
		20	62,753	54,148	67,12	66,103	11,955
45 menit	5 gr	0	41,581	35,849	36,798	36,473	0,624
		10	46,749	40,35	48,137	46,998	6,648
		20	32,626	27,897	56,764	50,101	22,204
15 menit	10 gr	0	50,068	43,062	52,205	48,464	5,402
		10	45,174	38,816	54,981	46,68	7,864
		20	31,716	27,165	55,274	47,78	20,615
30 menit	10 gr	0	59,738	51,419	54,573	52,606	1,187
		10	40,445	34,767	46,909	44,357	9,59
		20	48,492	41,814	60,915	56,076	14,262
45 menit	10 gr	0	48,093	41,375	47,41	46,165	4,79
		10	53,492	46,163	61,983	57,53	11,367
		20	57,027	49,132	67,922	61,959	12,827
15 menit	15 gr	0	35,605	28,716	33,076	31,999	3,283
		10	52,388	45,368	51,912	50,927	5,559
		20	56,641	48,548	63,08	62,256	13,708
30 menit	15 gr	0	39,13	33,841	35,181	35,135	1,294
		10	46,547	38,748	48,914	48,542	9,794
		20	39,047	33,785	49,651	49,27	15,485
45 menit	15 gr	0	44,089	38,375	45,012	45,257	6,882
		10	35,83	31,106	43,169	44,288	13,182
		20	54,804	47,59	57,965	58,365	10,775
15 menit	20 gr	0	51,479	44,557	47,763	47,329	2,772
		10	30,846	26,46	38,267	38,143	11,683
		20	63,719	55,179	72,852	72,314	17,135
30 menit	20 gr	0	48,596	42,022	44,087	44,101	2,079
		10	39,484	25,341	40,32	39,896	14,555
		20	27,166	23,484	44,445	44,345	20,861
45 menit	20 gr	0	37,701	32,647	31,919	34,815	2,168
		10	54,38	47,059	48,949	48,954	1,895
		20	45,308	39,249	65,161	64,593	25,344
15 menit	25 gr	0	34,2	29,365	32,436	34,085	4,72

		10	65,763	56,73	59,902	61,218	4,488
		20	76,201	65,599	80,322	81,707	16,108
		0	45,833	39,462	47,488	48,723	9,261
30 menit	25 gr	10	62,123	53,626	61,534	61,835	8,209
		20	54,235	46,835	51,484	51,841	5,006
		0	66,934	57,704	57,753	59,565	1,861
45 menit	25 gr	10	77,625	67	71,82	72,66	5,66
		20	65,214	56,243	81,187	79,633	23,39

DOKUMENTASI PENELITIAN



Rangkaian Peralatan Penelitian



Panci penggoreng pemanas minyak



Persiapan sampel plastik



Persiapan peleburan plastik dengan minyak



Pengamatan suhu peleburan



Pengamatan leburan plastik



Penimbangan sampel larutan plastik



Peleburan kayu pada larutan plastik



Sampel larutan plastik



Sampel peleburan kayu pada larutan plastik