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LAMPIRAN-LAMPIRAN

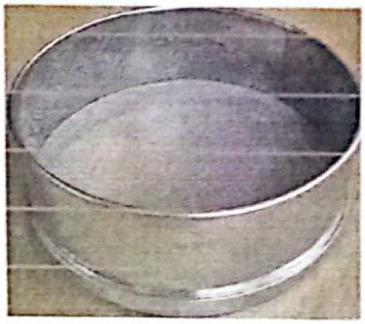
Lampiran I Alat Penelitian

Gambar 1 Spatula

Gambar 2 Microwave

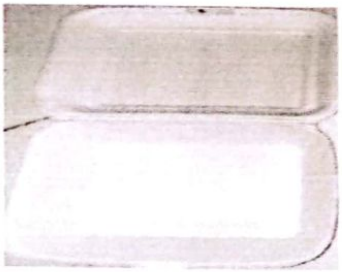
Gambar 3 Timbangan digital

Gambar 4 Mortar



Gambar 5 Ayakan

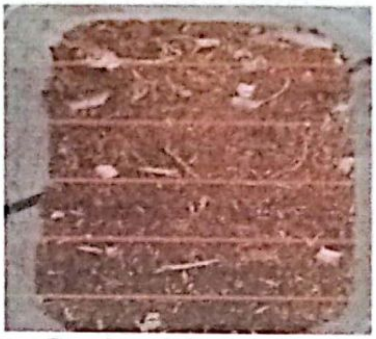
Lampiran II Bahan Penelitian



Gambar 6 plastik 1

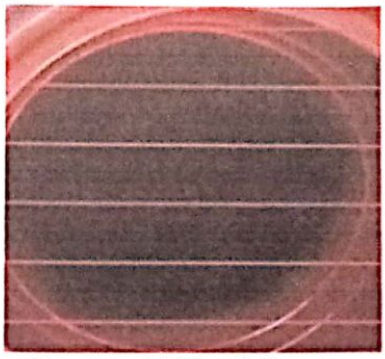
Gambar 7 Plastik 2

Gambar 8 plastik 3

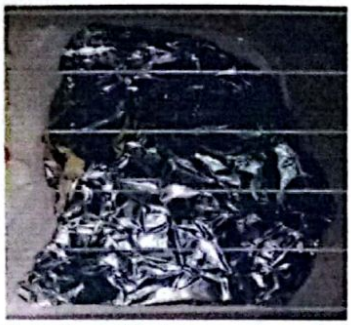


Gambar 9 Serbuk kayu

Gambar 10 Sekam padı



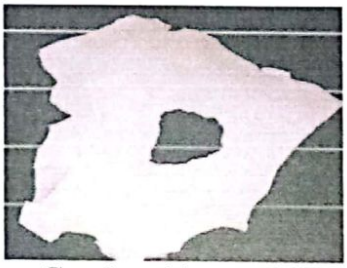
Gambar 11 Tanah kompos



Gambar 12 Alumunium foil

Lampiran III Sampel Penelitian

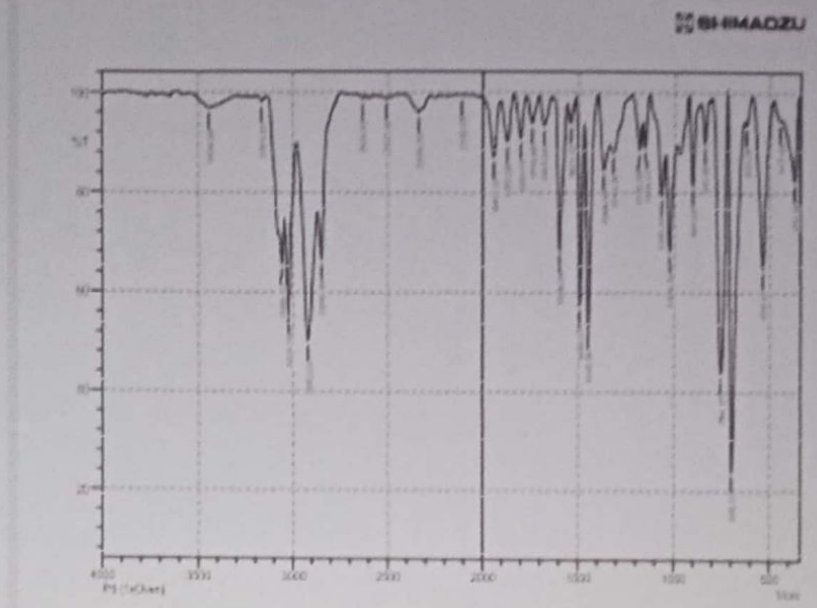
Gambar 13 sampel 1



Gambar 14 sampel 2

Gambar 15 sampel 3

Lampiran IV Pengujian *Fourier Transform Infra-Red* (FTIR)



No.	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	372.29	82.555	15.024	437.84	361.34	3.967	2.833
2	447.49	94.917	5.127	452.2	437.84	0.794	0.354
3	538.14	94.909	34.089	580.15	452.2	7.009	7.077
4	623.01	91.492	2.162	634.58	594.36	0.715	0.155
5	698.23	24.16	74.193	721.38	638.51	18.184	47.962
6	754.17	43.406	55.788	802.39	723.31	13.259	13.127
7	840.96	90.107	8.146	860.25	817.83	1.041	0.726
8	904.67	81.591	17.253	923.9	862.18	2.198	1.917
9	1029.13	68.378	19.825	1045.42	987.35	5.744	2.899
10	1094.54	79.663	10.812	1130.24	1047.35	3.639	1.391
11	1153.43	89.223	7.015	1188.93	1132.27	3.467	0.987
12	1182.36	88.722	8.721	1220.44	1188.86	1.671	0.715
13	1319.31	48.197	2.602	1338.67	1222.97	3.932	0.457
14	1369.46	84.705	9.344	1386.39	1338.6	3.524	1.494
15	1448.54	53.059	47.259	1466.76	1430.32	9.944	5.698
16	1490.97	57.42	38.496	1514.12	1471.04	8.629	4.977
17	1541.12	94.062	4.274	1560.47	1514.12	0.765	0.402
18	1596.99	58.621	29.654	1624.05	1562.34	4.658	4.109
19	1651.93	93.592	5.718	1705.07	1641.42	1.073	0.66
20	1743.65	93.995	5.334	1772.58	1707	0.90	0.747
21	1803.44	90.97	8.091	1838.16	1772.59	1.243	1.12
22	1872.88	90.212	8.832	1907.6	1840.09	1.595	1.332
23	1942.32	87.231	11.424	2014.19	1909.53	2.525	1.858
24	2112.05	99.003	0.049	2129.41	2060.04	0.074	0.004
25	2336.8	98.091	1.244	2418.74	2329.37	0.695	0.149
26	2507.45	98.309	0.572	2534.49	2458.24	0.35	0.101
27	2630.91	98.014	0.695	2661.77	2615.47	0.144	0.051
28	2848.36	88.839	12.931	2868.15	2742.79	5.402	1.4
29	2920.23	83.491	21.973	2978.09	2870.03	18.956	9.961
30	3024.38	95.30	22.543	3041.74	2980.02	8.764	3.396
31	3059.1	85.962	12.395	3140.11	3041.67	8.661	2.542
32	3161.33	98.23	1.01	3180.82	3140.11	0.214	0.093
33	3439.68	96.967	2.696	3643.23	3294.42	1.883	1.469

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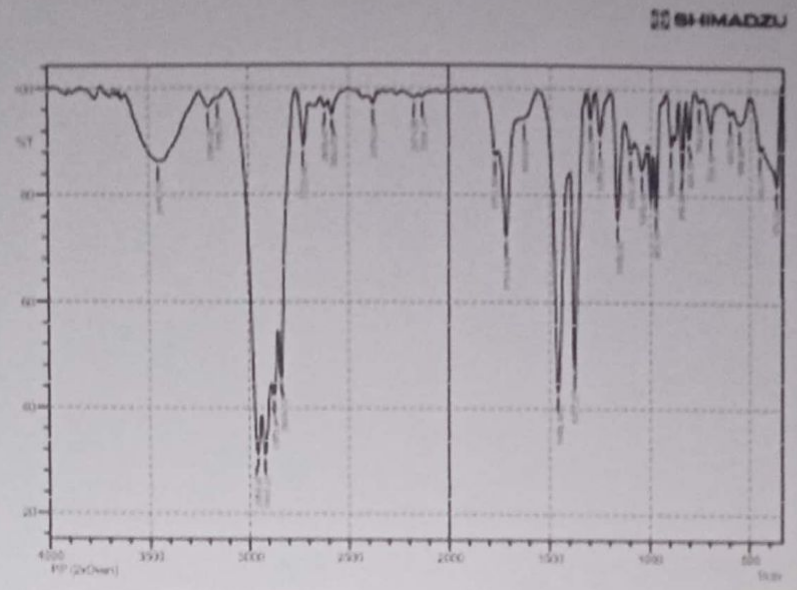
Gambar 16 Hasil uji sampel 1



No.	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	370.33	82.07	15.982	441.7	347.19	5.424	1.36
2	453.27	88.052	2.245	503.42	443.63	3.7	0.202
3	555.5	93.584	3.799	564.24	505.35	1.735	0.062
4	603.72	85.466	1.201	661.94	590.22	0.89	0.11
5	700.16	92.118	5.648	738.74	678.94	1.172	0.6
6	758.02	97.783	1.221	779.24	740.67	0.393	0.105
7	808.17	90.884	7.541	823.6	779.24	0.888	0.619
8	840.96	85.005	12.679	858.32	825.53	1.317	1.983
9	898.83	84.005	4.751	920.05	887.26	1.00	0.332
10	972.12	77.479	13.909	985.62	950.91	2.194	1.055
11	1043.49	84.905	4.345	1062.07	1016.49	1.778	0.755
12	1101.35	87.973	5.045	1130.29	1083.93	2.05	0.35
13	1165	75.527	21.212	1197.79	1132.21	3.781	2.79
14	1251.8	91.339	8.273	1274.95	1199.72	1.394	1.142
15	1300.02	94.364	5.39	1317.38	1276.83	0.938	0.465
16	1377.17	47.454	41.651	1402.25	1319.31	10.039	7.016
17	1458.59	43.319	46.878	1541.12	1404.19	17.831	12.597
18	1629.85	94.395	3.345	1633.71	1564.27	1.06	0.179
19	1718.93	72.32	18.041	1757.55	1670.35	6.592	3.134
20	1772.93	87.569	2.92	1825.53	1759.08	1.969	0.245
21	2131.34	88.421	0.623	2148.7	2109.2	0.214	0.051
22	2171.85	88.268	0.703	2218.14	2148.7	0.4	0.117
23	2378.3	97.111	1.092	2411.02	2355.08	0.462	0.187
24	2580.76	95.149	2.977	2600.04	2499.75	0.834	0.289
25	2615.47	90.47	1.472	2636.69	2600.04	0.448	0.123
26	2723.49	89.279	3.007	2760.18	2684.96	1.577	1.116
27	2839.22	85.75	15.519	2862.72	2762.36	11.674	1.904
28	2871.94	82.505	6.734	2887.94	2854.65	11.016	1.046
29	2920.23	91.047	3.344	2937.59	2889.37	23.055	2.661
30	2956.87	91.362	13.341	3111.53	2939.52	28.472	3.035
31	3149.76	98.199	0.287	3157.47	3112.11	0.238	0.065
32	3199.05	96.53	2.157	3244.27	3157.47	0.875	0.394
33	3445.72	86.339	0.784	3610.74	3430.08	7.113	1.041

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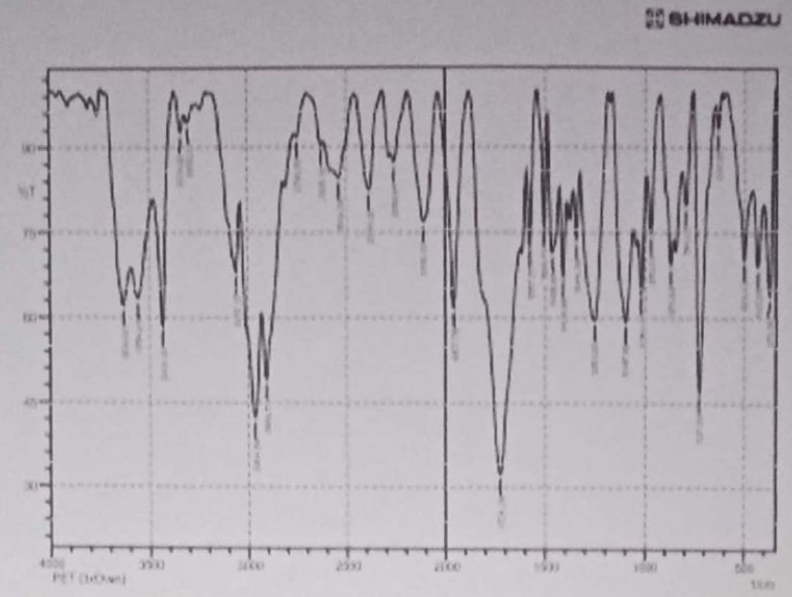
Gambar 17 hasil uji sampel 2



No.	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	3414	58.692	42.101	343.33	339.47	2.999	10.754
2	3372.26	64.05	28.936	403.12	345.26	6.716	14.004
3	432.05	69.178	12.192	457.13	405.05	5.379	1.668
4	501.49	70.527	17.597	580.22	459.06	9.994	4.303
5	632.65	93.413	5.027	648.03	613.36	3.067	0.35
6	727.16	46.961	52.254	758.95	648.03	14.573	13.91
7	794.67	79.943	11.095	833.34	761.81	3.026	1.364
8	871.02	89.639	3.794	921.97	858.32	1.999	1.59
9	970.19	75.095	18.72	993.34	923.9	4.107	1.721
10	1015.81	84.522	13.643	1033.85	995.27	5.379	1.008
11	1047.5	58.329	25.125	1160.04	1035.92	15.989	6.432
12	1251.8	55.698	33.082	1325.4	1166.22	19.791	14.059
13	1344.38	73.899	9.971	1379.82	1327.03	3.394	0.914
14	1459.96	67.295	14.387	1529.25	1390.68	4.432	1.529
15	1495.9	71.052	10.026	1559.05	1431.18	6.038	3.099
16	1556.41	76.205	20.721	1641.92	1490.47	2.492	2.107
17	1577.77	72.739	17.449	1593.2	1564.05	3.212	1.669
18	1724.35	32.474	50.295	1882.52	1622.49	62.72	44.273
19	1957.75	51.953	37.794	2034.93	1884.45	11.458	11.23
20	2110.12	78.968	22.679	2151.13	2036.76	9.017	8.794
21	2258.94	87.367	3.495	2274.07	2190.06	2.82	0.503
22	2364.02	82.998	17.05	2455.38	2314.51	5.262	5.074
23	2536.39	84.606	5.263	2566.18	2457.31	5.06	1.36
24	2625.12	90.617	1.706	2664.99	2613.55	1.622	0.152
25	2745.99	91.772	1.802	2760.14	2666.48	1.248	0.192
26	2909.73	83.143	16.239	2927.44	2819.43	21.032	8.232
27	2964.59	82.422	24.772	3035.46	2925.87	28.031	11.395
28	3057.17	88.12	14.634	3174.83	3037.89	11.976	5.172
29	3330.2	94.353	1.694	3345.93	3256.7	3.976	0.16
30	3374.92	92.747	4.424	3387.71	3317.56	3.974	0.474
31	3431.35	58.532	30.319	3475.73	3389.94	11.023	6.238
32	3554.91	83.477	8.695	3587.6	3477.46	16.039	2.911
33	3630.03	82.162	16.312	3718.79	3589.53	16.528	5.949

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Gambar 18 hasil uji sampe 3

Lampiran V Uji Degradasi

$$\text{Biodegradibilitas}(\%) = \frac{\text{massa awal-massa akhir}}{\text{massa awal}} \times 100$$

1. Sampel 1

$$\text{Minggu 1 (\%)} = \frac{(1 - 0{,}91)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 9\ \%$$

$$\text{Minggu 2 (\%)} = \frac{(1 - 0{,}87)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 13\ \%$$

$$\text{Minggu 3 (\%)} = \frac{(1 - 0{,}81)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 19\ \%$$

$$\text{Minggu 4 (\%)} = \frac{(1 - 0{,}7)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 30\ \%$$

$$\text{Minggu 5 (\%)} = \frac{(1 - 0{,}62)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 38\ \%$$

2. Sampel 2

$$\text{Minggu 1 (\%)} = \frac{(1 - 1)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 0\ \%$$

$$\text{Minggu 2 (\%)} = \frac{(1 - 0{,}96)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 4\ \%$$

$$\text{Minggu 3 (\%)} = \frac{(1 - 0{,}93)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 7\ \%$$

$$\text{Minggu 4 (\%)} = \frac{(1 - 0{,}81)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 19\ \%$$

$$\text{Minggu 5 (\%)} = \frac{(1 - 0{,}78)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 22\ \%$$

3. Sampel 3

$$\text{Minggu 1 (\%)} = \frac{(1 - 1)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 0\ \%$$

$$\text{Minggu 2 (\%)} = \frac{(1 - 1)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 0\ \%$$

$$\text{Minggu 3 (\%)} = \frac{(1 - 0{,}98)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 2\ \%$$

$$\text{Minggu 4 (\%)} = \frac{(1 - 0{,}92)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 8\ \%$$

$$\text{Minggu 5 (\%)} = \frac{(1 - 0{,}85)\ \text{gram}}{1\ \text{gram}} \times 100$$

$$= 15\ \%$$