BAB V

KESIMPULAN DAN SARAN

A. Kesimpulan

Berdasarkan dari penelitian yang telah dilakukan dapat diperoleh kesimpulan bahwa.

Pertama, Paracetamol tidak stabil pada suhu 160^0C – 190^0C dengan waktu 10, 20, dan 30 menit mengalami perubahan berupa turunnya intensitas gugus pada puncak gugus parabenzen, OH, amida, dan CH_3. Pada *Cocrystal* Paracetamol terjadi kehilangan gugus pada suhu 190^0C selama 20 dan 30 menit dengan puncak gugus parabenzen dan CH_3.

Kedua, Hasil perbandingan disolusi antara Paracetamol dan *Cocrystal* Paracetamol mengalami penurunan dengan meningkatnya variasi suhu dan waktu.

B. Saran

Pertama, metode pembuatan *Cocrystal* pada penelitian ini kurang tepat sehingga metode lainnya menggunakan kristal dan coformer yang berbeda.

Kedua, penelitian ini dapat dilanjutkan dengan mendeteksi terbentuknya *Cocrystal* atau tidak menggunakan mikroskop SEM. Dan dari hasil ini juga dilihat bahwa IR tidak sepenuhnya dapat memastikan gugus tersebut secara pasti.

Ketiga, penelitian ini dapat dilanjutkan dengan melihat kestabilan pada log-P serta menggunakan alat seperti TGA dan DSC untuk mengidentifikasi *Cocrystal*

Keempat, perlu dilakukan studi lebih lanjut terkait *Cocrystal* senyawa untuk meningkatkan aktivitas zat aktif pada kristalnya.

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L A M P I R A N

Lampiran 1. Perhitungan variasi konsentrasi

Hasil penimbangan kadar baku NaoH 108 ppm

Kertas kosong	=	0,2782 gram		Kertas + Zat	=	0,2891 gram	
Bobot	=	0,01 gram	+	Kertas – Zat	=	0,2783 gram	-
		0,2882 gram		Zat	=	0,0108 gram	

Hasil penimbangan kadar baku NaoH 96 ppm

Kertas kosong	=	0,2888 gram		Kertas + Zat	=	0,2995gram	
Bobot	=	0,01 gram	+	Kertas – Zat	=	0,2899 gram	-
		0,2988 gram		Zat	=	0,0096 gram	

Hasil penimbangan baku dapar fosfat paracetamol

Kertas kosong	=	0,2693 gram		Kertas + Zat	=	0,2794 gram	
Bobot	=	0,01 gram	+	Kertas – Zat	=	0,2698 gram	-
		0,2793 gram		Zat	=	0,0096 gram	

NaOH

2,5 ppm

V.C	=	V.C
25 ml . 5 ppm	=	V . 108 ppm
V	=	0,6 ml

15 ppm

V.C	=	V.C
25 ml . 15 ppm	=	V . 108 ppm
V	=	3,47 ml

7,5 ppm

V.C	=	V.C
25 ml . 7,5 ppm	=	V . 108 ppm
V	=	1,2 ml

10 ppm

V.C	=	V.C
25 ml . 10 ppm	=	V . 108 ppm
V	=	2,31 ml

12,5 ppm

V.C	=	V.C
25 ml . 12,5 ppm	=	V . 108 ppm
V	=	2,89 ml

2,5 ppm

V.C	=	V.C
25 ml . 2,5 ppm	=	V . 96 ppm
V	=	0,65 ml

5 ppm

V.C	=	V.C
25 ml . 5 ppm	=	V . 96 ppm
V	=	1,30 ml

7,5 ppm

V.C	=	V.C
25 ml . 7,5 ppm	=	V . 96 ppm
V	=	1,95 ml

8 ppm

V.C	=	V.C
25 ml . 8 ppm	=	V . 96 ppm
V	=	2,08 ml

10 ppm

V.C	=	V.C
25 ml . 10 ppm	=	V . 96 ppm
V	=	2,60 ml

10 ppm

V.C	=	V.C
25 ml . 10 ppm	=	V . 96 ppm
V	=	2,60 ml

12 ppm

V.C	=	V.C
25 ml . 12 ppm	=	V . 96 ppm
V	=	3,12 ml

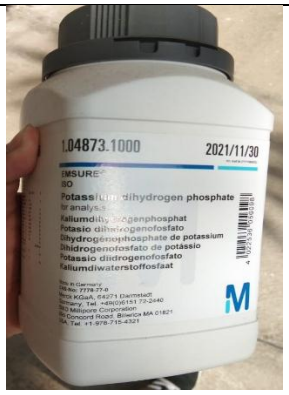
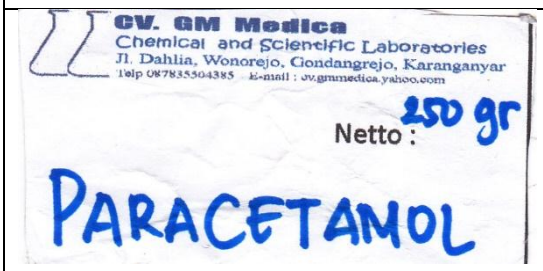
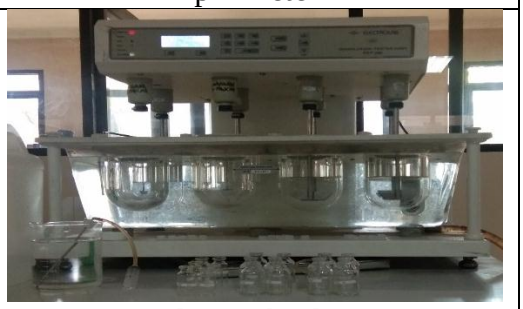
12,5 ppm

V.C	=	V.C
25 ml . 12,5 ppm	=	V . 96 ppm
V	=	3,25 ml

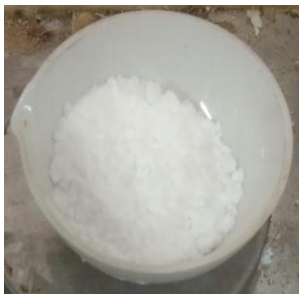
15 ppm

V.C	=	V.C
25 ml . 15 ppm	=	V . 96 ppm
V	=	3,90 ml

Lampiran 2. Alat dan bahan uji *Cocrystal*

Alat dan Bahan	Alat dan Bahan
 KH_2PO_4	 pH Meter
 Paracetamol	 Alat uji disolusi
 Cawan penguap	

Lampiran 3. Hasil preparasi Parcetamol



1A

2A

3A

4A

5A

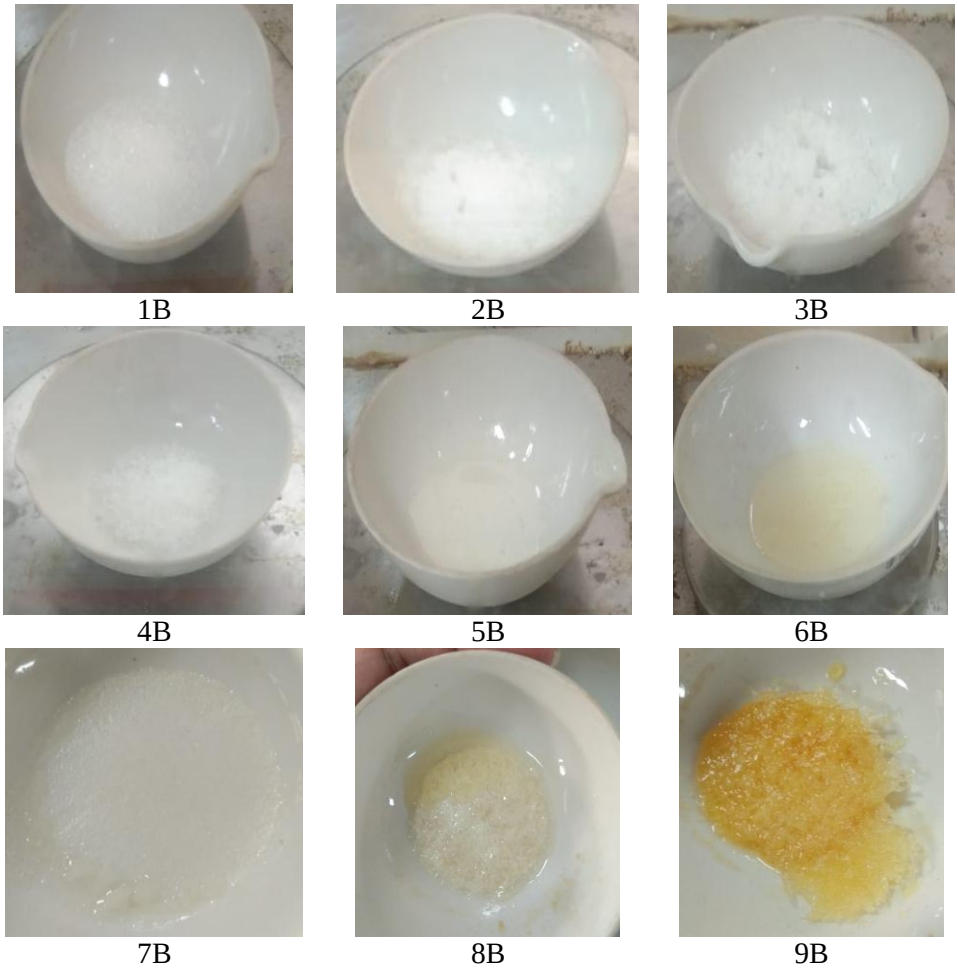
6A

7A

8A

9A

Lampiran 4. Hasil preparasi Asam sitrat

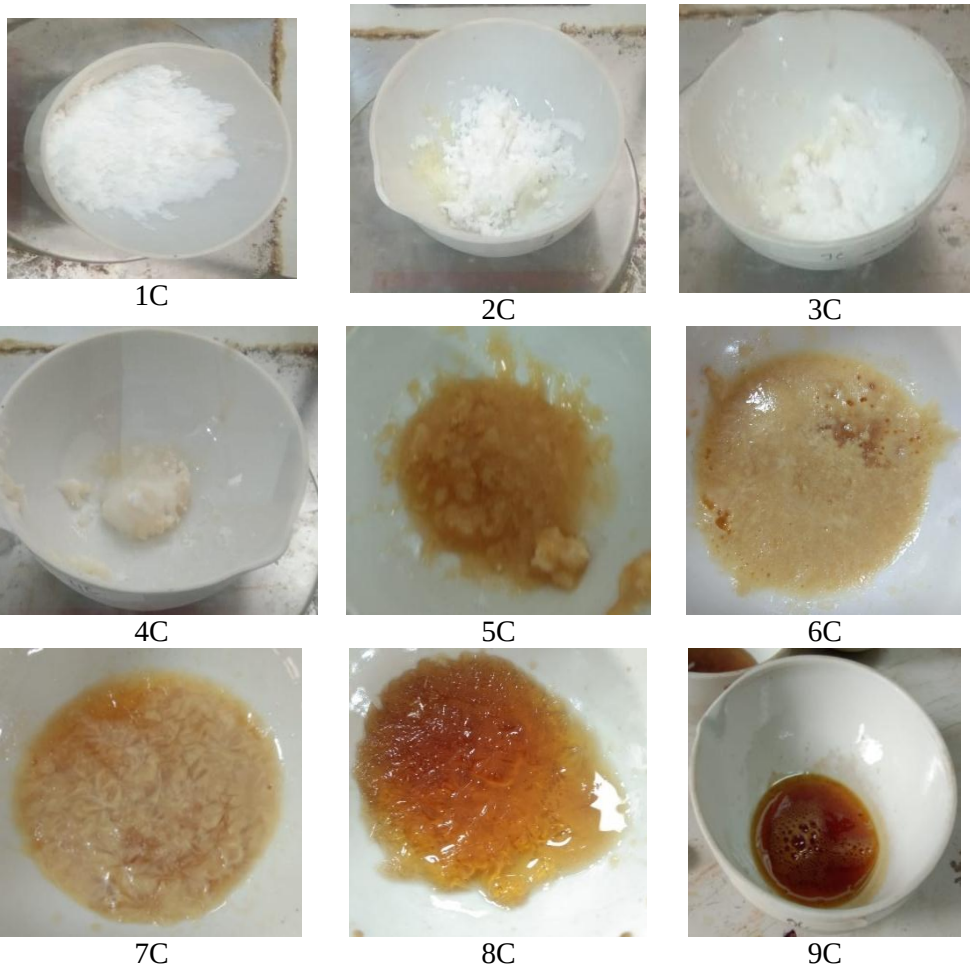


1B 2B 3B

4B 5B 6B

7B 8B 9B

Lampiran 5. Hasil preparasi *Cocrystal* Paracetamol

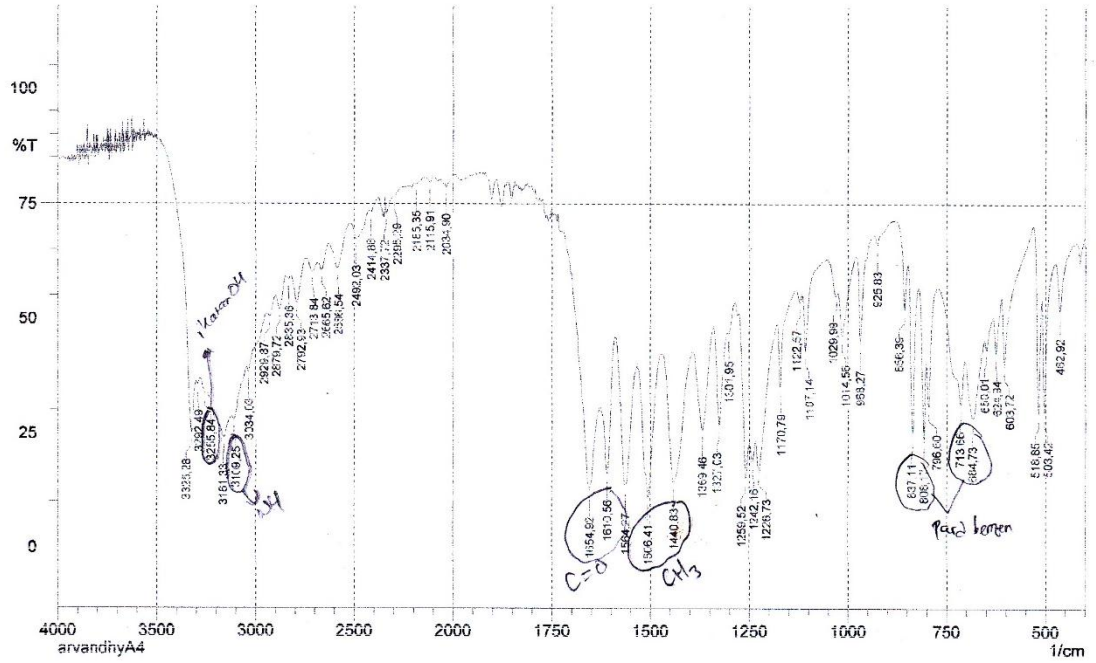


1C 2C 3C

4C 5C 6C

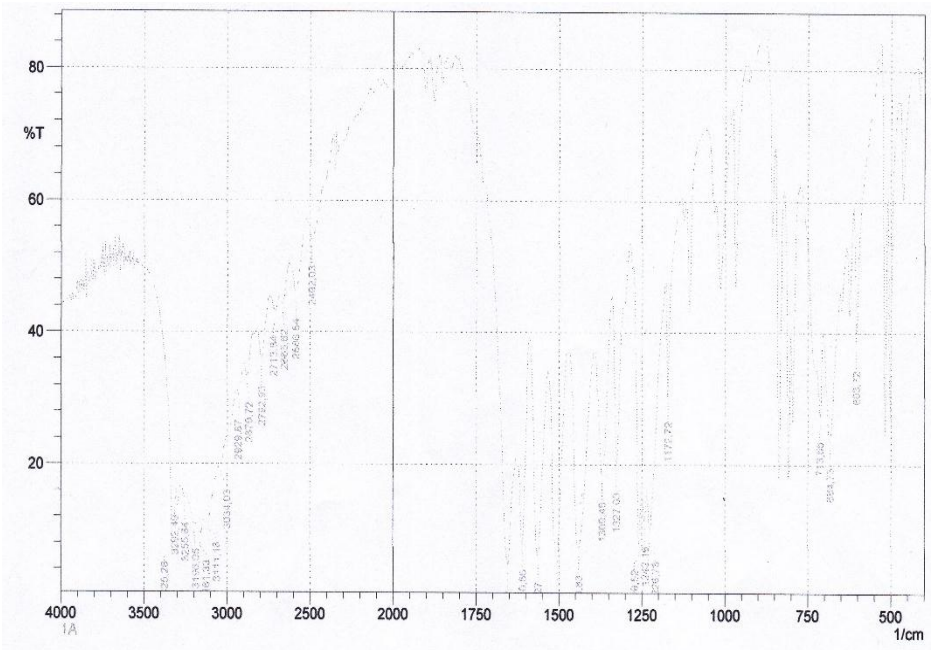
7C 8C 9C

Lampiran 6. Gambar puncak baku Paracetamol



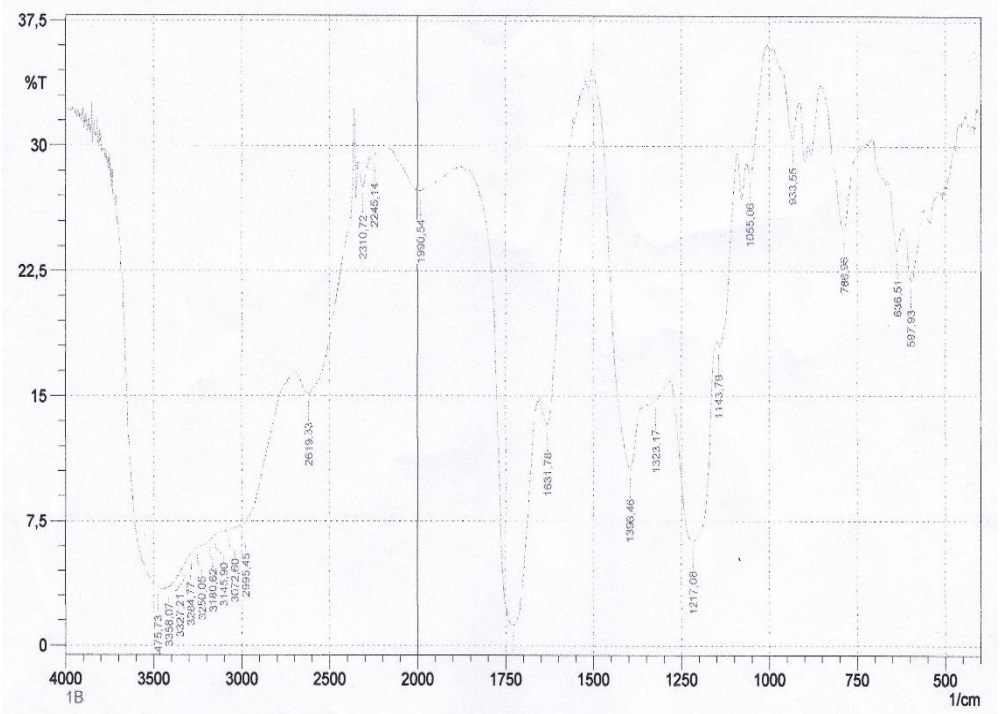
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	462,92	51,499	11,822	474,49	432,05	9,326	1,175
2	503,42	29,168	26,245	509,21	476,42	9,724	2,027
3	518,85	28,953	31,675	528,5	511,14	6,142	2,299
4	603,72	39,473	16,422	611,43	530,42	19,095	2,291
5	624,94	42,365	9,329	632,65	613,36	6,231	0,789
6	650,01	43,06	3,088	653,87	634,58	6,428	0,254
7	684,73	28,011	14,266	704,02	655,8	22,039	4,223
8	713,66	31,191	10,866	773,46	705,95	24,876	3,183
9	796,6	30,529	11,494	800,46	775,38	8,618	0,871
10	808,17	23,228	22,143	821,68	802,39	8,038	1,779
11	837,11	24,345	35,019	848,68	823,6	9,358	3,597
12	856,39	51,888	11,537	877,61	850,61	5,398	0,585
13	925,83	66,071	2,563	931,62	879,54	8,235	0,188
14	968,27	44,51	18,693	977,91	956,69	5,523	1,286
15	1014,56	45,665	11,847	1026,13	979,84	12,14	1,73
16	1029,99	55,048	0,96	1053,13	1028,06	5,824	0,102
17	1107,14	42,764	12,964	1114,86	1055,06	14,362	0,92
18	1122,57	53,331	2,261	1132,21	1116,78	4,05	0,124
19	1170,79	34,991	15,181	1178,51	1134,14	13,701	1,319
20	1226,73	16,417	10,408	1234,44	1180,44	27,618	2,726
21	1242,16	18,741	4,1	1249,87	1236,37	9,264	0,606
22	1259,52	15,033	16,867	1274,95	1251,8	13,613	2,447
23	1301,95	46,478	1,823	1305,81	1288,45	5,292	0,129
24	1327,03	26,656	21,033	1340,53	1305,81	14,704	3,477
25	1369,46	25,755	18,833	1388,75	1342,46	21,415	5,398
26	1440,83	14,357	27,797	1465,9	1394,53	41,423	14,719
27	1506,41	10,936	29,605	1531,48	1473,62	34,852	12,305
28	1564,27	13,303	30,131	1589,34	1533,41	32,017	11,482
29	1610,56	16,201	21,574	1627,92	1591,27	20,658	5,187
30	1654,92	12,538	28,931	1716,65	1629,85	42,194	12,379
31	2034,9	78,645	1,169	2042,62	2000,18	4,142	0,125
32	2115,91	79,557	1,304	2139,06	2096,62	4,042	0,126
33	2185,35	79,293	0,058	2187,28	2140,99	4,478	0,009

Lampiran 7. Gambar puncak 1A



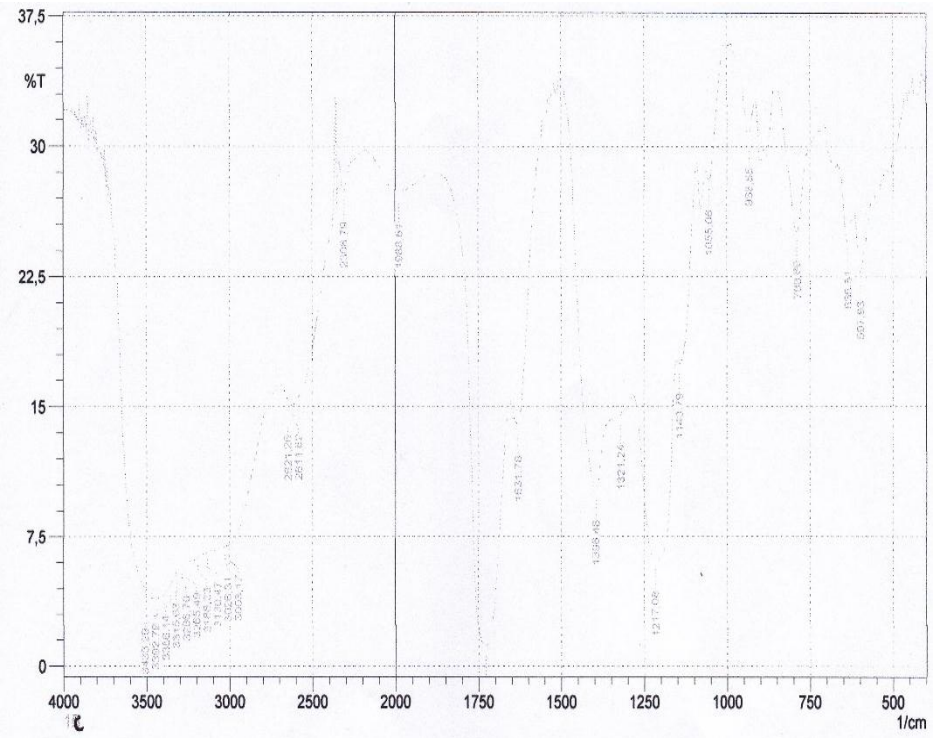
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	603,72	38,285	23,275	611,43	530,42	15,053	2,953
2	684,73	23,513	18,562	704,02	655,8	23,711	5,87
3	713,66	27,509	14,22	773,46	705,95	25,091	4,39
4	1172,72	30,458	17,517	1176,58	1132,21	13,316	1,392
5	1226,73	9,185	10,864	1234,44	1178,51	33,865	3,775
6	1242,16	11,494	3,924	1249,87	1236,37	11,87	0,906
7	1259,52	7,952	18,103	1276,88	1251,8	17,658	3,545
8	1327,03	19,652	25,54	1340,53	1305,81	16,887	4,863
9	1369,46	18,21	22,484	1390,68	1342,46	26,531	7,932
10	1440,83	7,08	30,308	1467,83	1392,61	54,48	22,293
11	1506,41	4,484	31,309	1533,41	1473,62	45,401	18,857
12	1564,27	6,049	30,618	1589,34	1535,34	40,69	16,884
13	1610,56	7,864	21,717	1627,92	1591,27	27,322	7,723
14	1654,92	4,718	28,188	1718,58	1629,85	56,975	17,854
15	2492,03	53,969	3,619	2507,46	2420,66	21,072	1,423
16	2586,54	45,806	7,253	2628,98	2520,96	32,191	3,059
17	2665,62	44,225	2,938	2682,98	2630,91	17,244	0,642
18	2713,84	43,24	2,235	2740,85	2684,91	19,772	0,633
19	2792,93	35,7	6,624	2821,86	2742,78	31,258	2,279
20	2879,72	33,221	3,59	2897,08	2845	23,125	1,014
21	2929,87	30,535	1,8	2941,44	2899,01	20,757	0,506
22	3034,03	19,912	1,632	3041,74	2943,37	58,811	0,669
23	3111,18	11,941	1,66	3122,75	3043,67	63,718	1,165
24	3161,33	9,146	2,391	3192,19	3124,68	65,872	2,712
25	3196,05	10,844	0,311	3244,27	3192,19	46,94	0,45
26	3255,84	14,907	0,699	3277,06	3246,2	24,971	0,298
27	3292,49	15,95	0,398	3298,28	3278,99	15,195	0,112
28	3325,28	8,889	12,007	3473,8	3300,2	90,687	6,881

Lampiran 8. Gambar puncak 1B



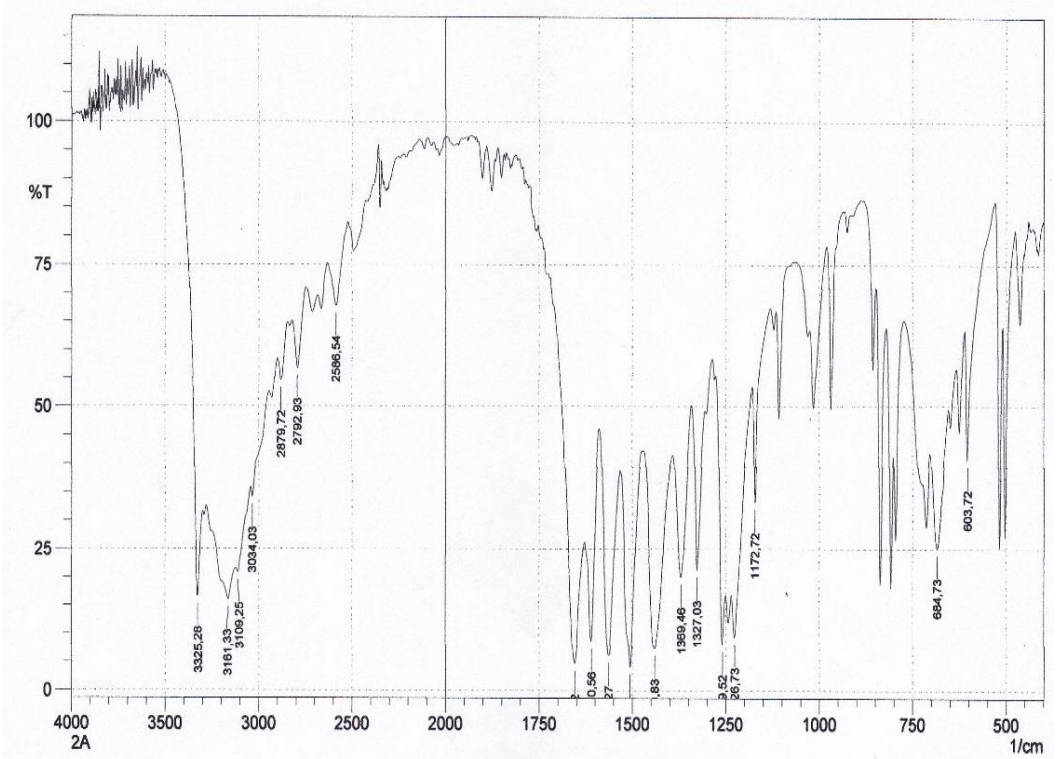
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	597,93	21,887	3,667	619,15	561,29	36,035	1,899
2	636,51	23,731	2,461	661,58	621,08	24,233	0,819
3	786,96	25,107	6,563	852,54	734,88	63,58	5,031
4	933,55	30,458	2,97	987,55	916,19	34,258	0,979
5	1055,06	28,337	1,821	1064,71	1006,84	28,759	0,582
6	1143,79	17,976	1,853	1151,5	1093,64	38,48	2,048
7	1217,08	6,189	10,896	1280,73	1153,43	130,91	33,139
8	1323,17	14,723	0,056	1325,1	1282,66	34,619	0,046
9	1396,46	10,555	10,453	1498,69	1346,31	116,491	17,117
10	1631,78	13,309	5,441	1653	1558,48	66,443	4,597
11	1728,22	1,189	18,578	1843,95	1658,78	202,719	74,987
12	1990,54	27,304	1,539	2166,06	1917,24	136,38	3,106
13	2245,14	29,489	0,044	2249	2210,42	20,362	0,012
14	2310,72	27,564	1,211	2328,08	2249	42,976	0,523
15	2619,33	15,118	4,963	2696,48	2362,8	244,073	31,408
16	2995,45	7,223	0,06	2997,38	2698,41	279,727	0,897
17	3072,6	6,912	0,069	3076,46	3059,1	20,082	0,026
18	3145,9	6,66	0,034	3149,76	3128,54	24,884	0,021
19	3180,62	6,319	0,031	3182,55	3149,76	38,973	0,073
20	3250,05	5,851	0,019	3251,98	3228,84	28,411	0,027
21	3284,77	5,495	0,065	3288,63	3265,49	28,914	0,05
22	3327,21	4,814	0,038	3329,14	3288,63	52,046	0,041
23	3358,07	4,186	0,04	3360	3329,14	41,507	0,014
24	3475,73	3,481	0,116	3543,23	3471,87	100,651	1,143

Lampiran 9. Gambar puncak 1C



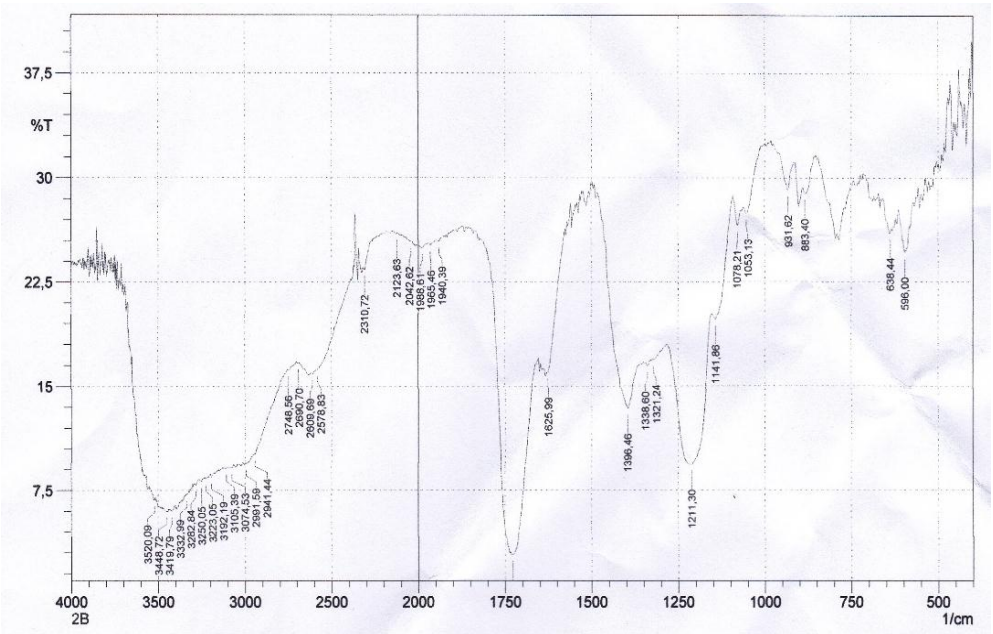
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	597,93	22,781	4,061	615,29	559,36	33,854	2,075
2	636,51	24,571	3,075	665,44	617,22	27,94	1,129
3	788,89	25,125	7,089	850,61	725,23	67,363	5,571
4	933,55	30,497	2,888	987,55	916,19	34,231	0,939
5	1055,06	28,042	1,589	1062,78	1008,77	27,025	0,518
6	1143,79	17,447	1,338	1149,57	1093,64	37,736	1,801
7	1217,08	6,048	10,575	1280,73	1151,5	134,197	33,486
8	1321,24	14,506	0,109	1325,1	1282,66	34,875	0,042
9	1396,46	10,162	10,539	1498,69	1346,31	118,154	17,803
10	1631,78	13,847	3,472	1645,28	1558,48	59,454	2,498
11	1728,22	1,141	19,208	1843,95	1653	209,85	79,48
12	1988,61	27,276	0,133	1996,32	1917,24	44,104	0,137
13	2308,79	27,348	2,054	2341,58	2191,13	81,225	1,509
14	2611,62	15,1	0,289	2615,47	2360,87	180,461	14,96
15	2621,26	15,058	0,147	2696,48	2615,47	65,323	0,223
16	3003,17	6,951	0,143	3007,02	2698,41	293,06	1,602
17	3026,31	6,894	0,02	3028,24	3008,95	22,353	0,013
18	3130,47	6,584	0,033	3132,4	3115,04	20,448	0,016
19	3188,33	6,244	0,031	3190,26	3151,69	46,096	0,027
20	3265,49	5,952	0,022	3269,34	3251,98	21,236	0,015
21	3286,7	5,773	0,03	3288,63	3269,34	23,756	0,023
22	3315,63	5,364	0,071	3319,49	3304,06	19,466	0,038
23	3356,14	4,649	0,077	3360	3321,42	50,25	0,116
24	3392,79	4,152	0,053	3396,64	3377,36	26,457	0,058
25	3433,29	3,855	0,087	3441,01	3421,72	27,152	0,1

Lampiran 10. Gambar puncak 2A



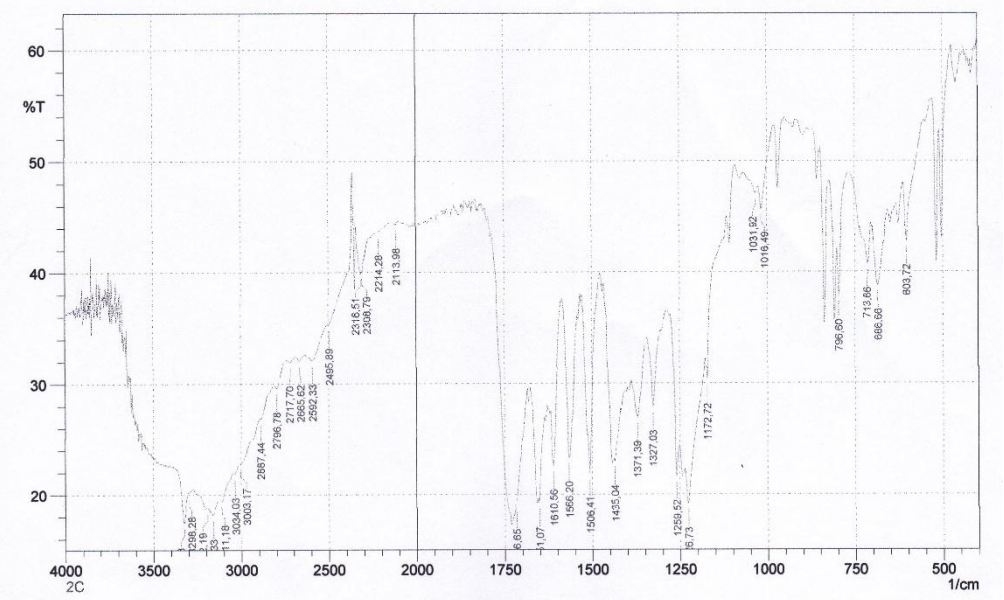
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	603,72	40,71	24,82	611,43	530,42	13,1	2,62
2	684,73	25,13	19,07	702,09	655,8	21,64	5,65
3	1172,72	33,22	22,03	1178,51	1132,21	11,77	1,66
4	1226,73	9,38	12,61	1234,44	1180,44	30,94	4,01
5	1259,52	8,13	21,08	1274,95	1251,8	16,25	3,81
6	1327,03	21,22	28,53	1340,53	1305,81	15,47	4,91
7	1369,46	20	25,28	1390,68	1342,46	24,24	7,87
8	1440,83	7,44	34,5	1467,83	1392,61	51,3	22,8
9	1506,41	4,13	35,88	1531,48	1475,54	41,09	18,97
10	1564,27	6,18	36,6	1587,42	1533,41	38,41	18,07
11	1610,56	8,66	26,44	1627,92	1589,34	25,51	8,02
12	1654,92	4,69	34,67	1718,58	1629,85	51,46	19,3
13	2586,54	67,71	10,39	2628,98	2520,96	14,11	2,96
14	2792,93	56,67	10,68	2821,86	2748,56	14,64	2,36
15	2879,72	54,52	6,27	2899,01	2846,93	12,05	1,11
16	3034,03	34,15	2,99	3041,74	2945,3	35,63	0,88
17	3109,25	20,76	2,91	3120,82	3043,67	43,41	0,93
18	3161,33	15,99	7,51	3250,05	3122,75	87,7	10
19	3325,28	16,5	26,05	3473,8	3300,2	35,64	7,45

Lampiran 11. Gambar puncak 2B



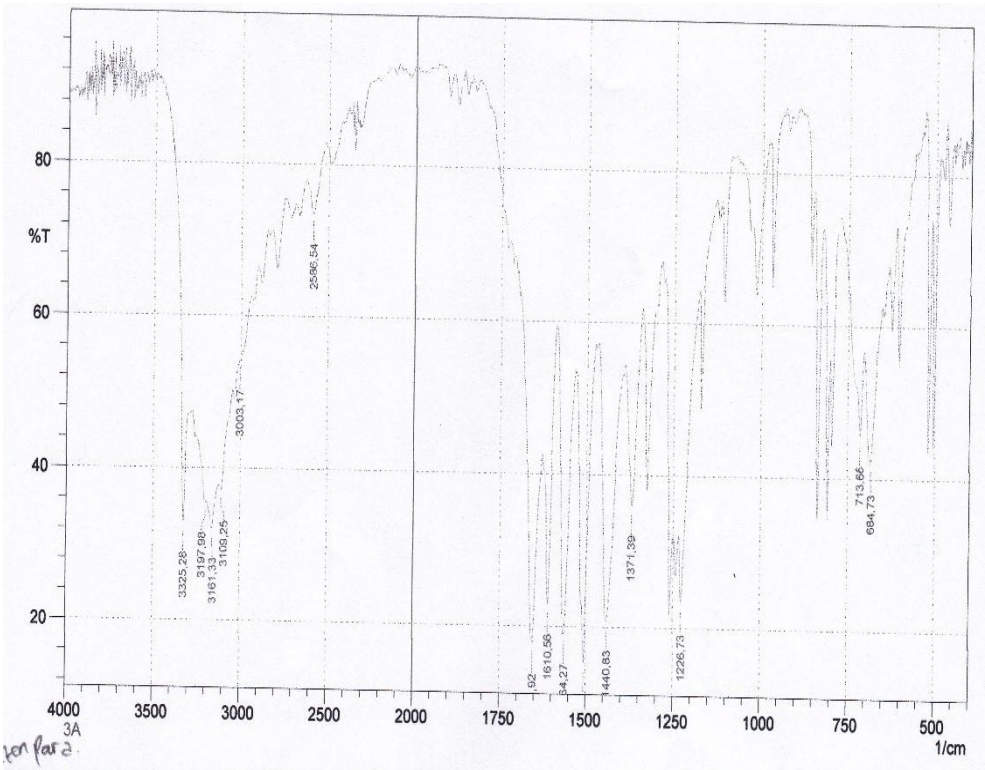
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	596	24,626	2,44	613,36	582,5	18,212	0,711
2	638,44	26,021	0,681	657,73	634,58	13,234	0,183
3	883,4	28,87	0,849	889,18	856,39	17,2	0,295
4	931,62	29,162	2,196	958,62	916,19	21,973	0,647
5	1053,13	27,39	1,178	1060,85	1010,7	26,51	0,385
6	1078,21	26,588	1,451	1091,71	1070,49	11,938	0,25
7	1141,86	19,745	1,803	1151,5	1093,64	37,118	1,408
8	1211,3	9,335	0,372	1213,23	1153,43	53,772	2,653
9	1321,24	16,889	0,061	1323,17	1282,66	30,76	0,042
10	1338,6	16,389	0,369	1348,24	1323,17	19,494	0,065
11	1396,46	13,397	6,259	1465,9	1365,6	77,775	9,628
12	1625,99	15,971	0,456	1627,92	1577,77	34,188	0,179
13	1728,22	2,837	18,013	1818,87	1654,92	165,481	53,764
14	1940,39	25,406	0,18	1946,18	1924,96	12,553	0,023
15	1965,46	25,127	0,173	1969,32	1948,1	12,657	0,026
16	1988,61	24,928	0,235	2004,04	1980,89	13,916	0,044
17	2042,62	25,404	0,043	2067,69	2038,76	17,164	0,02
18	2123,63	25,952	0,122	2144,84	2115,91	16,908	0,028
19	2310,72	23,356	0,272	2316,51	2231,64	51,087	0,042
20	2578,83	16,208	0,249	2584,61	2389,8	140,622	1,229
21	2609,69	15,91	0,094	2615,47	2598,12	13,836	0,034
22	2690,7	16,655	0,046	2700,34	2684,91	12,003	0,012
23	2748,56	16,142	0,082	2752,42	2721,56	24,307	0,038
24	2941,44	10,144	0,08	2943,37	2781,35	144,145	0,01
25	2991,59	9,446	0,028	2993,52	2945,3	48,658	0,066
26	3074,53	9,109	0,052	3076,46	3064,89	11,972	0,011
27	3105,39	9,047	0,102	3111,18	3099,61	12,043	0,028
28	3192,19	8,465	0,227	3196,05	3176,76	20,518	0,093
29	3223,05	8,343	0,139	3230,77	3215,34	16,603	0,067
30	3250,05	8,137	0,187	3259,7	3240,41	20,914	0,094
31	3282,84	7,893	0,13	3286,7	3267,41	21,076	0,071
32	3332,99	7,188	0,127	3336,85	3323,35	15,351	0,054
33	3419,79	5,97	0,151	3423,65	3408,22	18,727	0,104

Lampiran 12. Gambar puncak 2C



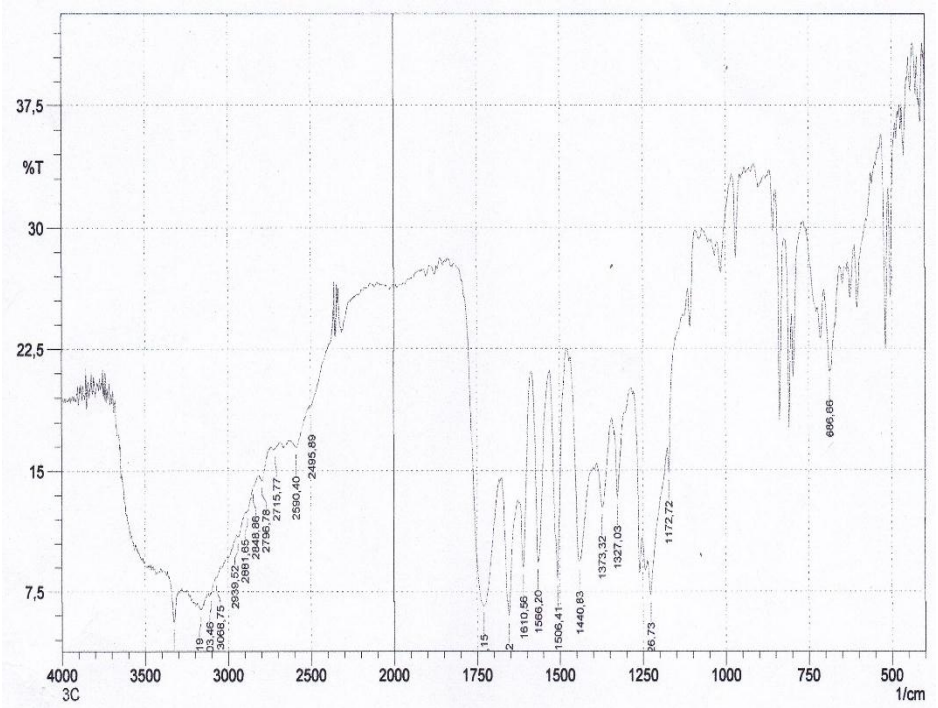
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	603,72	42,762	6,053	611,43	553,57	18,045	1,078
2	686,66	38,763	6,078	704,02	655,8	18,19	1,479
3	713,66	40,712	4,206	761,88	705,95	19,764	1,149
4	796,6	37,792	4,473	800,46	763,81	12,514	0,284
5	1016,49	45,707	2,916	1024,2	979,84	13,577	0,421
6	1031,92	47,111	0,759	1064,71	1026,13	12,297	0,093
7	1172,72	30,319	2,721	1176,58	1114,86	24,548	0,152
8	1226,73	19,127	4,332	1234,44	1178,51	33,588	1,549
9	1259,52	21,623	5,618	1276,88	1253,73	12,884	0,665
10	1327,03	27,931	6,839	1342,46	1286,52	26,905	1,645
11	1371,39	26,917	4,803	1388,75	1344,38	23,32	1,461
12	1435,04	22,964	0,652	1436,97	1408,04	16,661	0,044
13	1506,41	21,925	16,78	1527,62	1477,47	25,367	4,794
14	1566,2	23,302	13,717	1585,49	1541,12	23,142	3,933
15	1610,56	22,582	7,394	1618,28	1587,42	16,388	1,329
16	1651,07	19,184	8,525	1676,14	1637,56	24,395	3,093
17	1716,65	19,012	0,684	1718,58	1685,79	20,402	0,126
18	2113,98	44,318	0,271	2139,06	2098,55	14,258	0,047
19	2214,28	43,693	0,073	2218,14	2185,35	11,734	0,012
20	2308,79	39,943	0,251	2310,72	2249	23,081	0,011
21	2316,51	39,842	0,891	2343,51	2312,65	11,932	0,356
22	2495,89	35,343	0,407	2499,75	2362,8	56,807	4,615
23	2592,33	32,106	0,701	2607,76	2501,67	50,305	0,459
24	2665,62	32,049	0,464	2682,98	2638,62	21,772	0,132
25	2717,7	31,953	0,305	2736,99	2684,91	25,662	0,109
26	2796,78	29,617	0,689	2812,21	2738,92	37,44	0,235
27	2887,44	26,873	0,18	2891,3	2814,14	42,028	0,064
28	3003,17	22,738	0,094	3005,1	2893,22	68,115	0,346
29	3034,03	21,885	0,308	3041,74	3007,02	22,615	0,073
30	3111,18	19,409	0,322	3116,97	3043,67	50,1	0,15
31	3161,33	18,16	0,881	3184,48	3124,68	43,466	0,534
32	3192,19	18,722	0,169	3244,27	3186,4	41,357	0,177
33	3298,28	20,193	0,055	3300,2	3282,84	12,019	0,028

Lampiran 13. Gambar puncak 3A



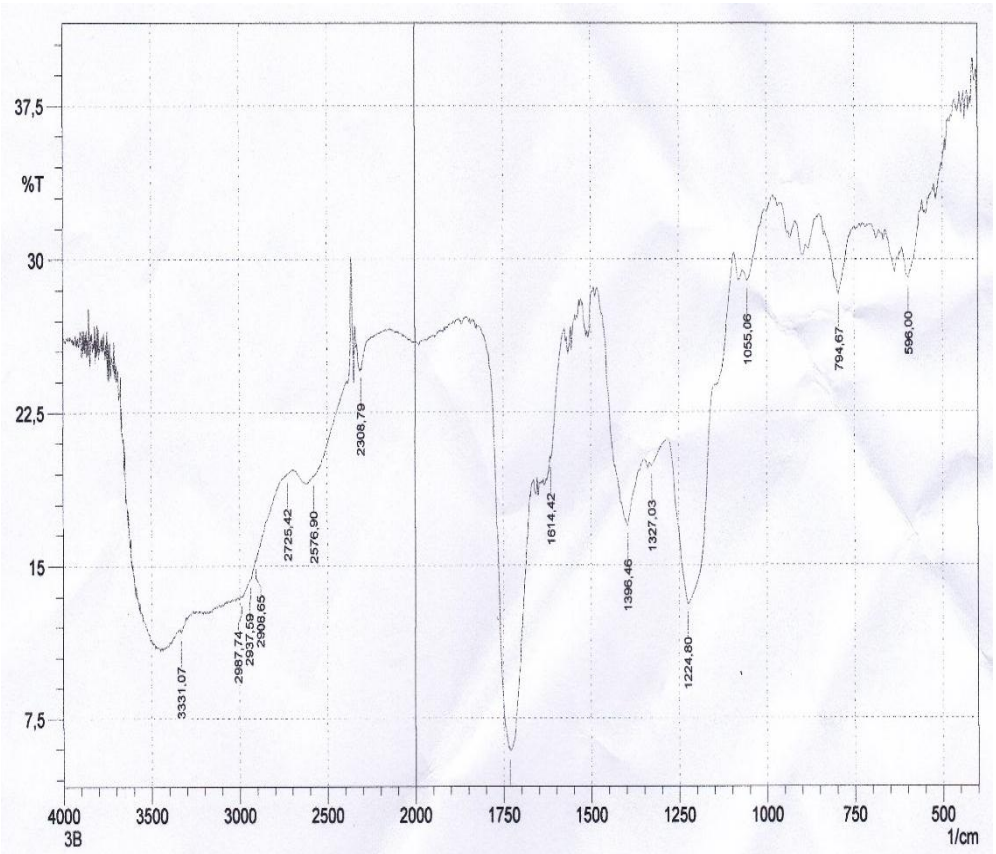
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	684,73	41,998	17,014	704,02	653,87	14,73	3,515
2	713,66	45,705	12,567	773,46	705,95	15,445	2,615
3	1226,73	23,099	13,634	1234,44	1178,51	20,402	2,27
4	1371,39	36,073	21,266	1390,68	1344,38	15,428	4,465
5	1440,83	20,878	34,938	1465,9	1392,61	31,855	13,043
6	1506,41	15,169	40,172	1533,41	1477,47	25,566	11,23
7	1564,27	19,016	37,428	1587,42	1535,34	23,383	10,233
8	1610,56	22,934	27,133	1627,92	1589,34	15,994	4,602
9	1654,92	17,632	33,216	1708,93	1629,85	31,789	10,496
10	2586,54	73,572	6,351	2628,98	2522,89	11,816	1,768
11	3003,17	54,193	0,283	3005,1	2941,44	15,068	0,249
12	3109,25	37,002	2,856	3122,75	3043,67	28,941	0,605
13	3161,33	32,105	4,528	3192,19	3124,68	30,976	1,614
14	3197,98	35,488	0,77	3251,98	3194,12	23,139	0,188
15	3325,28	32,844	21,322	3437,15	3302,13	26,492	4,253

Lampiran 14. Gambar puncak 3B



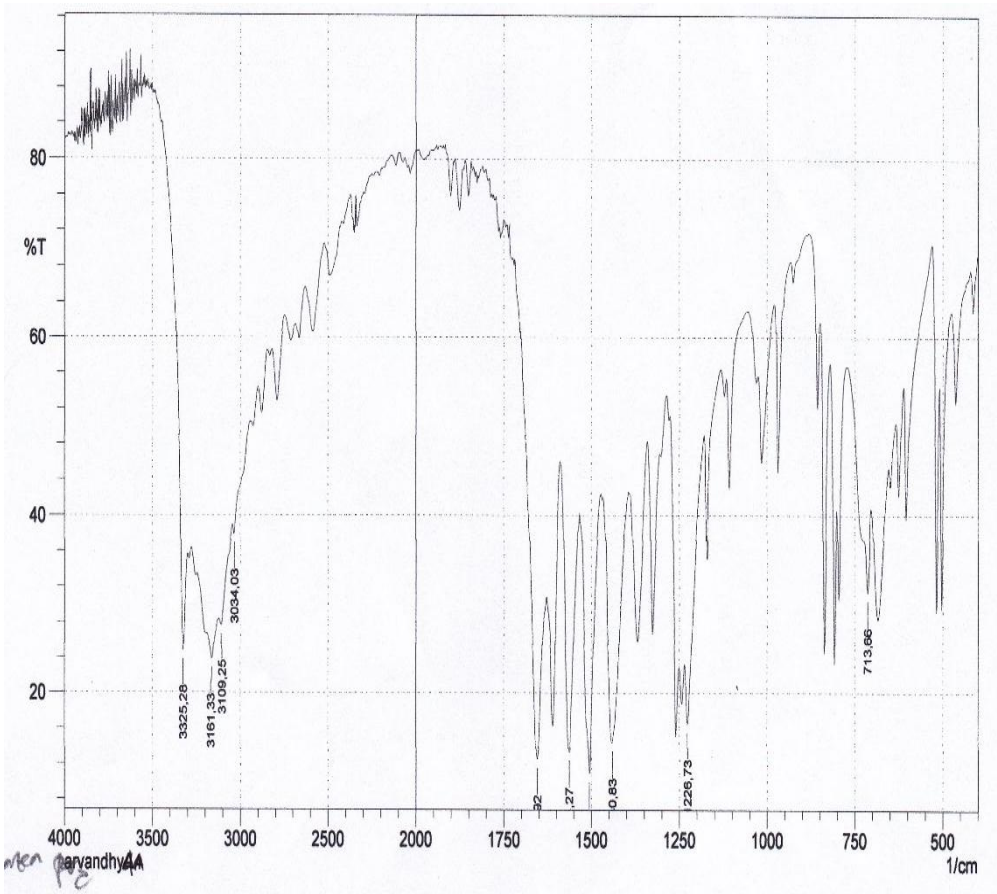
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	686,66	21,039	5,597	704,02	657,73	28,819	2,368
2	1172,72	14,847	2,198	1176,58	1130,29	30,935	0,235
3	1226,73	7,32	2,9	1234,44	1178,51	52,833	2,063
4	1327,03	13,308	5,077	1342,46	1305,81	28,893	1,963
5	1373,32	12,68	3,683	1388,75	1344,38	36,667	2,284
6	1440,83	9,264	9,997	1467,83	1400,32	59,125	9,135
7	1506,41	8,31	13,451	1529,55	1479,4	40,808	7,66
8	1566,2	9,327	11,737	1585,49	1533,41	42,455	7,215
9	1610,56	8,968	6,357	1620,21	1587,42	27,852	2,46
10	1654,92	6,028	7,846	1676,14	1629,85	46,408	6,544
11	1730,15	6,581	12,623	1803,44	1685,79	105,526	22,528
12	2495,89	18,953	0,335	2503,6	2389,8	77,66	0,287
13	2590,4	16,399	0,861	2613,55	2520,96	70,614	1,102
14	2715,77	16,339	0,072	2719,63	2686,84	25,621	0,023
15	2796,78	14,375	0,843	2816,07	2754,35	50,608	0,672
16	2848,86	13,957	0,085	2850,79	2818	27,65	0,037
17	2881,65	12,488	0,112	2883,58	2852,72	27,182	0,089
18	2939,52	10,891	0,296	2945,3	2899,01	43,443	0,35
19	3068,75	8,371	0,089	3070,68	3041,74	30,624	0,069
20	3103,46	7,379	0,089	3105,39	3072,6	36,101	0,036
21	3165,19	6,381	0,218	3172,9	3151,69	25,232	0,225
22	3327,21	5,602	2,429	3356,14	3294,42	71,349	3,561

Lampiran 15. Gambar puncak 3C



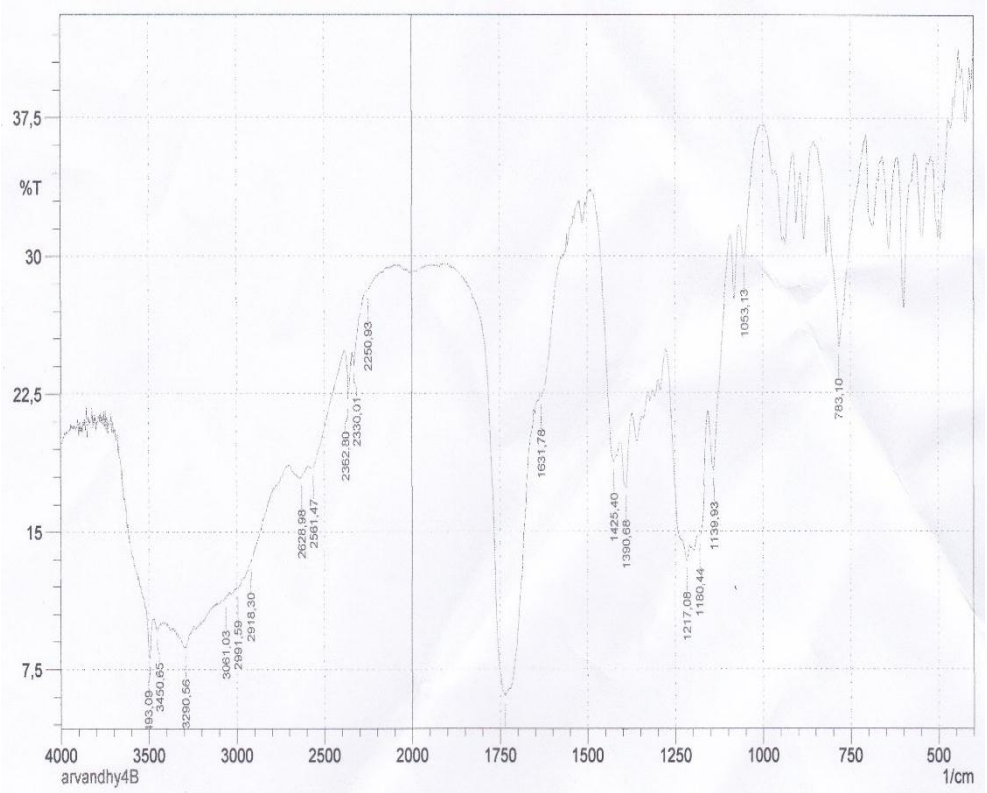
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	596	29,092	2,107	613,36	559,36	27,931	0,927
2	794,67	28,303	3,087	831,32	752,24	41,338	1,56
3	1055,06	28,96	1,051	1066,64	1008,77	29,947	0,458
4	1224,8	13,102	10,845	1282,66	1093,64	136,037	23,387
5	1327,03	19,833	0,287	1332,81	1284,59	33,189	0,095
6	1396,46	16,93	5,015	1465,9	1365,6	70,866	6,919
7	1614,42	20,194	0,45	1616,35	1577,77	24,12	0,083
8	1732,08	5,852	16,644	1816,94	1664,57	132,771	34,282
9	2308,79	24,595	0,101	2310,72	2268,29	25,219	0,013
10	2576,9	19,35	0,062	2578,83	2389,8	126,362	0,606
11	2725,42	19,475	0,042	2729,27	2698,41	21,859	0,021
12	2908,65	15,241	0,076	2910,58	2754,35	118,523	0,014
13	2937,59	14,349	0,078	2939,52	2912,51	22,446	0,056
14	2987,74	13,491	0,072	2991,59	2939,52	44,665	0,102
15	3331,07	11,733	0,348	3340,71	3302,13	35,432	0,234

Lampiran 16. Gambar puncak 4A



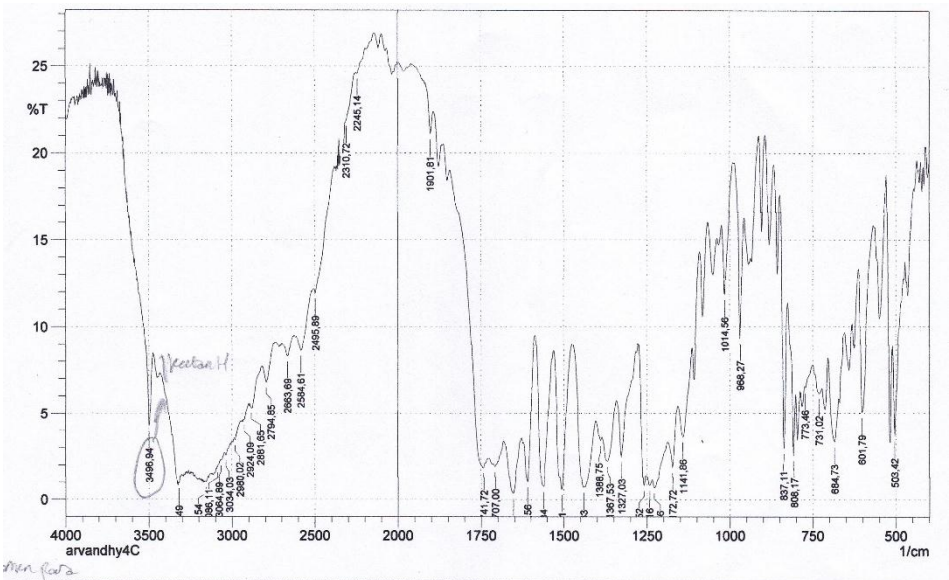
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	713,66	31,371	11,637	773,46	704,02	25,493	3,421
2	1226,73	16,471	10,422	1234,44	1180,44	27,592	2,745
3	1440,83	14,368	27,816	1465,9	1394,53	41,396	14,717
4	1506,41	10,926	29,619	1531,48	1473,62	34,848	12,306
5	1564,27	13,34	30,095	1589,34	1533,41	32,013	11,48
6	1654,92	12,5	28,989	1716,65	1629,85	42,249	12,448
7	3034,03	37,907	1,889	3041,74	2943,37	34,965	0,449
8	3109,25	27,624	2,537	3122,75	3043,67	38,423	0,791
9	3161,33	23,806	3,715	3196,05	3124,68	41,708	1,757
10	3325,28	24,767	18,618	3446,79	3302,13	38,077	4,78

Lampiran 17. Gambar puncak 4B



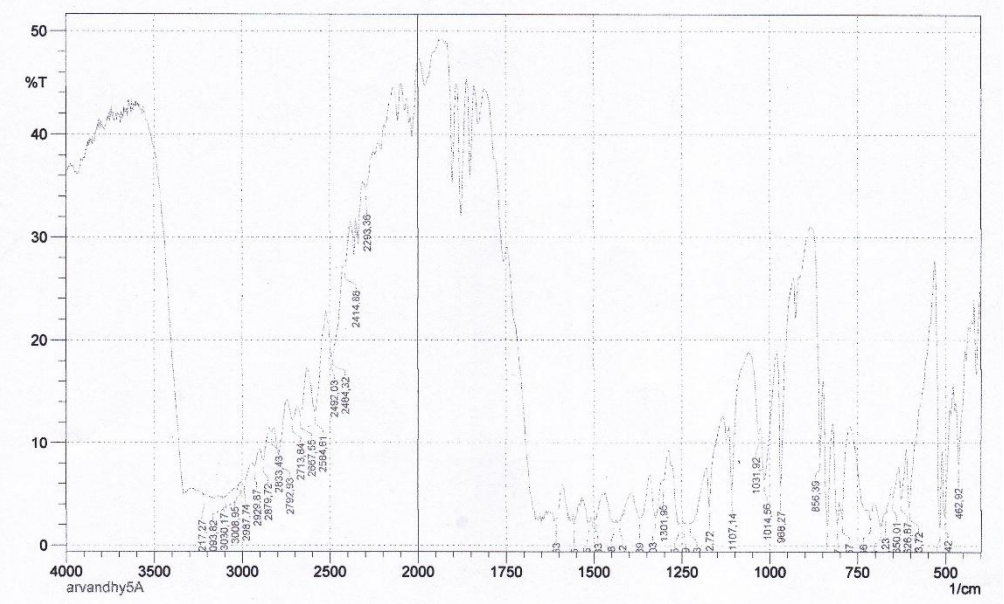
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	783,1	25,003	8,257	810,1	707,88	52,68	5,124
2	1053,13	29,899	3,117	1068,56	1004,91	30,113	0,758
3	1139,93	18,325	5,585	1155,36	1093,64	38,675	2,609
4	1180,44	14,717	1,382	1186,22	1157,29	22,255	0,759
5	1217,08	13,392	1,765	1276,88	1211,3	50,472	2,778
6	1390,68	17,343	3,272	1406,11	1373,32	23,601	1,164
7	1425,4	18,81	4,208	1483,26	1408,04	46,241	2,174
8	1631,78	22,267	0,356	1633,71	1575,84	33,964	0,3
9	1735,93	6,045	18,659	1836,23	1653	155,36	44,28
10	2250,93	28,124	0,08	2254,79	2200,78	29,434	0,04
11	2330,01	24,046	0,72	2333,87	2256,71	44,319	0,079
12	2362,8	22,156	2,313	2385,95	2351,23	21,661	0,482
13	2561,47	18,508	0,112	2563,4	2387,87	117,08	0,165
14	2628,98	17,948	0,093	2632,83	2603,9	21,418	0,021
15	2918,3	13,399	0,064	2920,23	2792,93	103,58	0,03
16	2991,59	11,874	0,067	2993,52	2970,38	21,249	0,076
17	3061,03	11,338	0,117	3064,89	3041,74	21,744	0,05
18	3290,56	8,687	0,066	3292,49	3271,27	22,239	0,111
19	3450,65	9,586	0,279	3469,94	3446,79	23,316	0,179
20	3493,09	8,077	2,372	3516,23	3477,66	39,707	1,935

Lampiran 18. Gambar puncak 4C



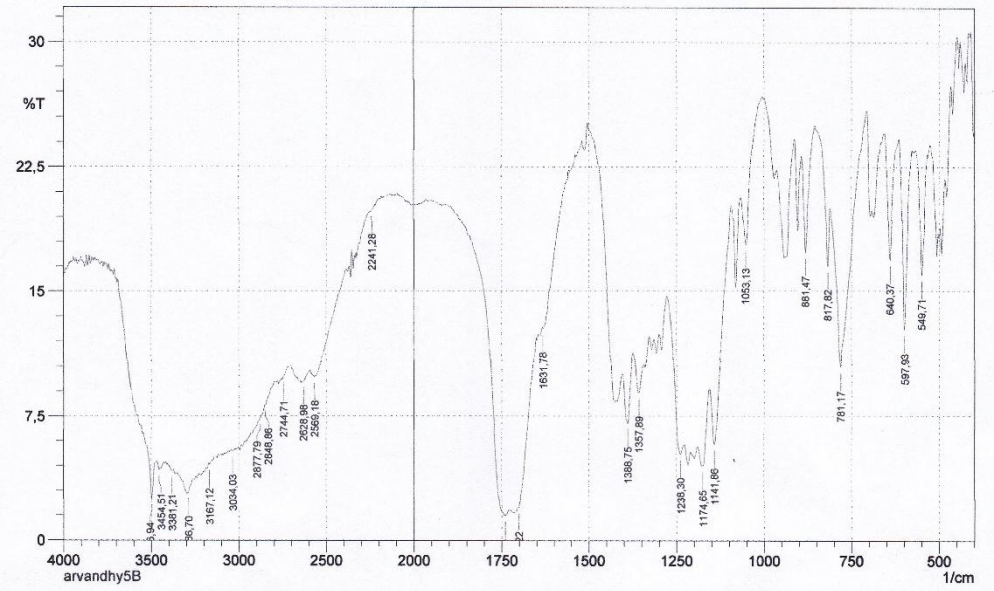
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	503,42	3,708	5,885	511,14	486,06	28,649	3,637
2	601,79	5,047	8,734	611,43	569	42,748	7,169
3	684,73	3,349	3,331	704,02	673,16	41,328	5,298
4	731,02	6,139	0,696	750,31	723,31	31,831	0,711
5	773,46	6,48	0,182	775,38	752,24	26,531	0,087
6	808,17	2,555	4,844	825,53	802,39	27,948	2,688
7	837,11	2,96	11,091	848,68	827,46	23,79	5,459
8	968,27	9,319	7,901	989,48	958,62	25,384	2,204
9	1014,56	11,832	4,865	1024,2	989,48	28,178	1,948
10	1141,86	3,634	2,893	1155,36	1114,86	51,742	4,879
11	1172,72	1,862	2,445	1186,22	1157,29	43,136	3,658
12	1228,66	0,67	0,744	1234,44	1188,15	82,98	4,305
13	1242,16	0,824	0,378	1251,8	1236,37	30,77	1,194
14	1259,52	0,812	2,656	1274,95	1253,73	34,447	3,332
15	1327,03	2,487	3,875	1340,53	1284,59	71,633	7,059
16	1367,53	2,221	2,152	1382,96	1342,46	60,239	5,905
17	1388,75	3,412	0,41	1402,25	1384,89	24,765	0,491
18	1440,83	0,71	6,173	1473,62	1404,18	112,353	29,157
19	1506,41	0,579	8,174	1529,55	1475,54	79,8	22,763
20	1562,34	0,752	8,336	1585,49	1531,48	79,224	22,759
21	1610,56	1,022	4,061	1620,21	1587,42	47,979	7,427
22	1653	0,353	3,082	1680	1629,85	91,803	18,352
23	1707	1,907	0,321	1710,86	1681,93	46,706	1,244
24	1741,72	1,831	2,532	1842,02	1728,22	129,512	5,95
25	1901,81	21,106	1,632	1951,96	1894,1	36,217	0,245
26	2245,14	24,569	0,161	2249	2194,99	32,306	0,119
27	2310,72	21,862	0,123	2312,65	2258,64	34,256	0,071
28	2495,89	11,909	0,696	2503,6	2382,09	99,62	0,95
29	2584,61	8,616	1,544	2609,69	2519,03	91,408	3,367
30	2663,69	8,294	0,933	2692,63	2630,91	65,197	1,368
31	2794,85	6,777	1,349	2816,07	2748,56	75,188	2,456
32	2881,65	5,289	0,616	2893,22	2823,79	82,83	0,953
33	2924,09	4,596	0,179	2927,94	2902,87	32,538	0,128

Lampiran 19. Gambar puncak 5A



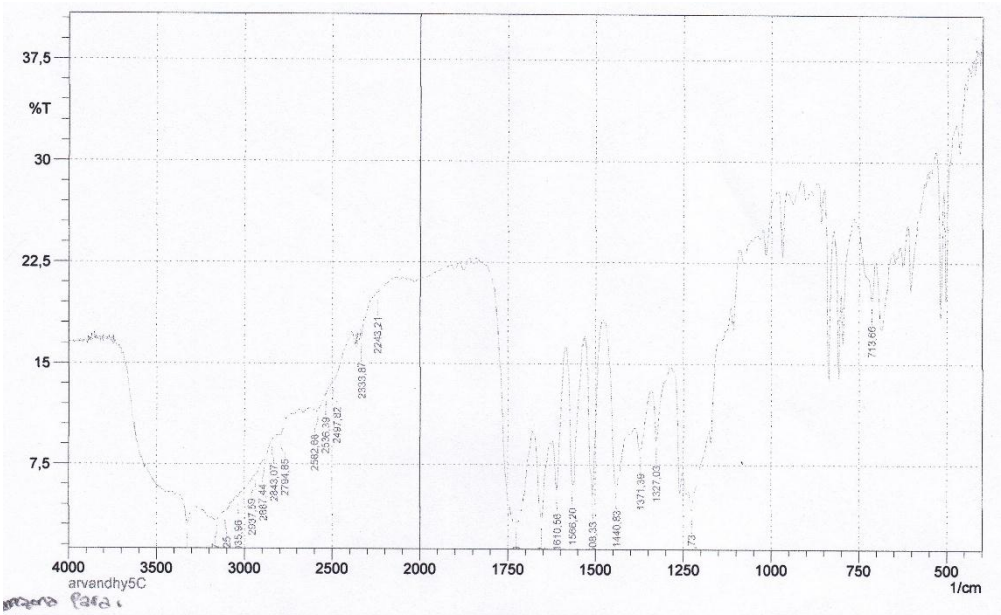
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	462,92	7,967	7,194	470,63	445,56	23,03	3,097
2	503,42	2,849	7,461	509,21	489,92	23,81	5,407
3	516,92	1,78	12,701	530,42	511,14	22,266	6,371
4	603,72	3,659	7,487	611,43	532,35	71,255	8,888
5	626,87	4,59	3,519	632,65	613,36	23,285	2,572
6	650,01	4,621	1,495	653,87	634,58	23,751	1,101
7	671,23	3,096	0,325	673,16	655,8	24,193	0,444
8	684,73	1,864	1,7	698,23	673,16	39,729	3,34
9	713,66	2,485	1,315	721,38	705,95	23,282	1,413
10	794,67	2,531	3,299	800,46	775,38	30,118	1,971
11	808,17	2,029	4,628	819,75	802,39	24,084	3,594
12	837,11	1,927	12,321	848,68	821,68	32,691	9,345
13	856,39	8,623	9,66	883,4	850,61	22,82	2,026
14	968,27	5,64	13,019	977,91	956,69	19,9	4,423
15	1014,56	6,396	6,845	1026,13	979,84	44,17	5,786
16	1031,92	10,91	1,463	1058,92	1028,06	25,637	0,351
17	1107,14	5,434	6,701	1114,86	1060,85	46,67	2,753
18	1172,72	3,718	4,42	1178,51	1134,14	47,177	2,641
19	1226,73	2,159	0,768	1232,51	1180,44	74,128	3,163
20	1244,09	2,124	0,258	1247,94	1234,44	22,247	0,325
21	1261,45	2,081	2,613	1276,88	1249,87	40,541	3,216
22	1301,95	6,268	0,777	1305,81	1288,45	19,543	0,376
23	1327,03	2,667	3,989	1340,53	1307,74	45,02	6,3
24	1371,39	2,585	3,28	1394,53	1342,46	73,482	9,585
25	1427,32	2,37	0,154	1429,25	1394,53	49,762	0,091
26	1444,68	2,242	0,726	1465,9	1438,9	41,603	1,933
27	1494,83	2,542	0,252	1496,76	1473,62	32,606	0,072
28	1516,05	2,099	1,277	1527,62	1508,33	30,348	1,947
29	1556,55	2,023	1,156	1560,41	1541,12	29,474	1,45
30	1608,63	2,604	0,337	1610,56	1591,27	27,457	0,685
31	2293,36	34,515	1,787	2310,72	2254,79	24,722	0,5
32	2414,88	27,101	1,062	2422,59	2385,95	19,755	0,291
33	2484,32	18,725	0,267	2486,24	2424,52	40,514	0,888

Lampiran 20. Gambar puncak 5B



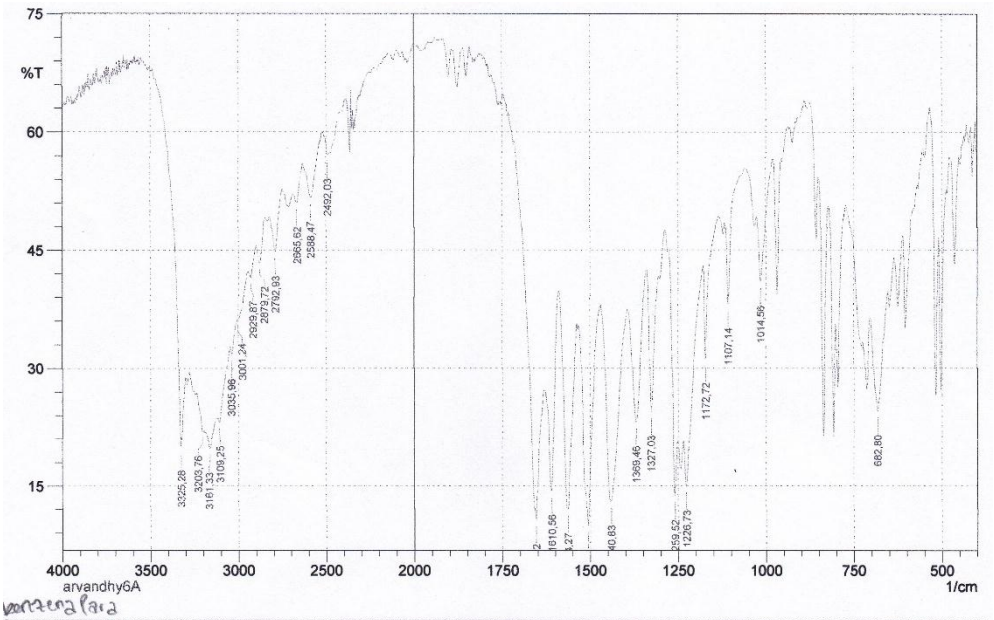
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	549,71	15,972	7,684	567,07	526,57	27,689	2,356
2	597,93	12,688	11,155	615,29	578,64	26,571	3,724
3	640,37	16,882	7,499	655,8	617,22	25,921	2,241
4	781,17	10,428	11,284	810,1	707,88	77,652	12,104
5	817,82	16,515	4,162	854,47	812,03	28,147	0,788
6	881,47	17,327	6,23	891,11	856,39	23,334	1,819
7	1053,13	17,815	4,004	1064,71	1006,84	37,406	1,292
8	1141,86	5,758	5,792	1155,36	1093,64	58,84	5,695
9	1174,65	4,443	2,866	1190,08	1157,29	40,585	3,325
10	1238,3	5,2	2,347	1276,88	1228,66	52,18	2,423
11	1357,89	8,903	1,965	1373,32	1346,31	27,188	1,183
12	1388,75	7,051	3,591	1404,18	1375,25	30,769	2,596
13	1631,78	12,757	0,31	1633,71	1564,27	53,323	0,269
14	1701,22	1,946	0,38	1703,14	1651,07	63,959	0,086
15	1739,79	1,433	2,042	1842,02	1728,22	131,331	4,812
16	2241,28	19,876	0,05	2243,21	2204,64	26,805	0,042
17	2569,18	9,851	0,199	2573,04	2389,8	164,562	0,937
18	2628,98	9,607	0,052	2630,91	2594,26	36,728	0,02
19	2744,71	9,834	0,046	2746,63	2721,56	24,917	0,014
20	2848,86	8,183	0,057	2850,79	2798,71	54,719	0,022
21	2877,79	7,365	0,072	2879,72	2852,72	30,051	0,123
22	3034,03	5,384	0,102	3041,74	3020,53	26,849	0,106
23	3167,12	4,558	0,088	3169,04	3147,83	28,146	0,082
24	3286,7	2,845	0,139	3290,56	3259,7	45,818	0,116
25	3381,21	4,181	0,127	3400,5	3375,43	34,274	0,188
26	3454,51	4,23	0,171	3468,01	3450,65	23,472	0,1
27	3496,94	2,474	2,745	3543,23	3477,66	88,485	5,779

Lampiran 21. Gambar puncak 5C



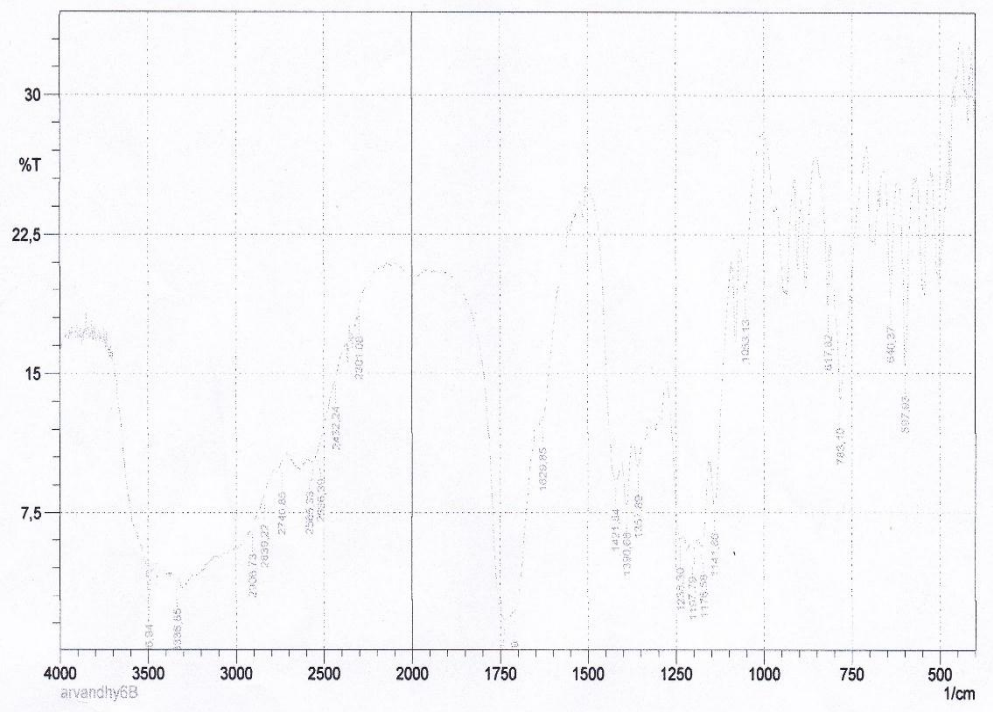
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	713,66	19,615	3,416	763,81	705,95	37,426	1,68
2	1226,73	4,114	2,188	1236,37	1178,51	68,231	3,216
3	1327,03	9,232	4,118	1342,46	1305,81	34,09	2,117
4	1371,39	8,631	2,565	1384,89	1344,38	39,866	2,041
5	1440,83	5,891	8,446	1471,69	1404,18	69,416	10,156
6	1508,33	5,051	12,444	1529,55	1481,33	45,708	9,305
7	1566,2	6,054	10,093	1583,56	1539,2	43,573	8,429
8	1610,56	5,629	5,47	1620,21	1585,49	34,533	3,138
9	1654,92	3,172	6,401	1680	1627,92	61,165	8,014
10	1726,29	3,216	0,834	1732,08	1681,93	64,605	2,789
11	2243,21	20,194	0,094	2245,14	2194,99	34,425	0,028
12	2333,87	16,854	0,479	2335,8	2268,29	49,077	0,049
13	2497,82	13,511	0,098	2499,75	2389,8	89,397	0,118
14	2536,39	12,741	0,068	2538,32	2501,67	32,237	0,014
15	2582,68	11,478	0,067	2584,61	2540,25	40,776	0,123
16	2794,85	9,609	0,191	2798,71	2750,49	47,311	0,102
17	2843,07	9,165	0,035	2845	2814,14	31,566	0,001
18	2887,44	7,731	0,185	2891,3	2848,86	45,778	0,3
19	2937,59	6,647	0,053	2939,52	2893,22	52,922	0,125
20	3035,96	5,046	0,186	3045,6	3008,95	46,862	0,217
21	3109,25	3,829	0,243	3116,97	3078,39	53,374	0,562
22	3157,47	3,308	0,161	3163,26	3138,18	36,51	0,2
23	3327,21	3,05	1,537	3363,86	3302,13	86,403	4,081

Lampiran 22. Gambar puncak 6A



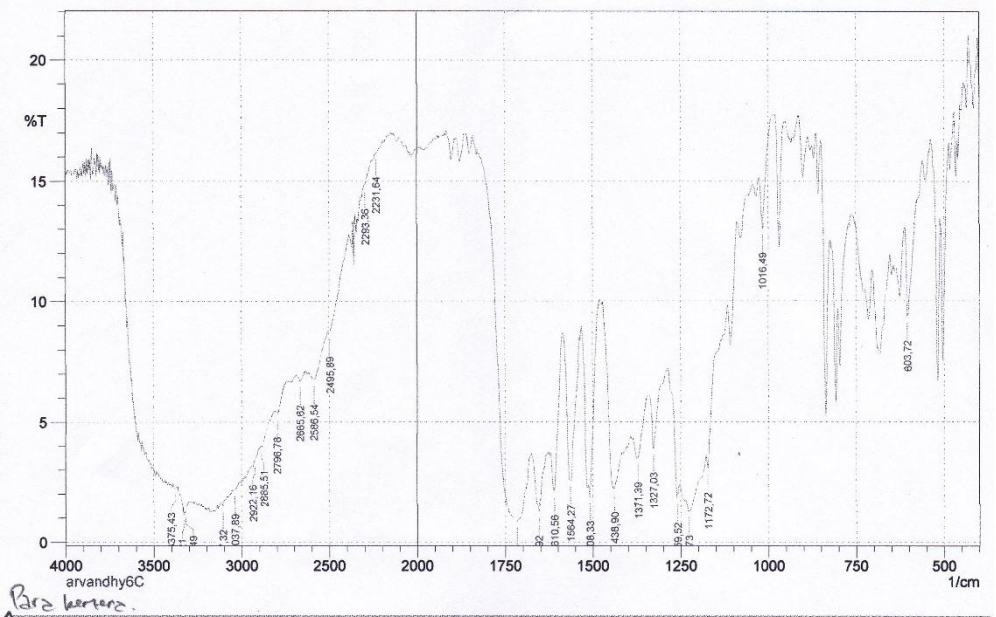
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	682,8	24,504	10,188	704,02	667,37	19,725	2,931
2	1014,56	40,883	10,245	1026,13	979,84	14,51	1,733
3	1107,14	38,093	11,149	1114,86	1074,35	12,617	0,927
4	1172,72	31,144	12,612	1178,51	1134,14	16,147	1,256
5	1226,73	14,901	8,901	1234,44	1180,44	30,229	2,442
6	1259,52	13,685	14,51	1276,88	1251,8	15,361	2,323
7	1327,03	24,469	17,589	1338,6	1307,74	14,855	3,198
8	1369,46	23,102	16,604	1392,61	1340,53	26,237	5,51
9	1440,83	13,028	24,673	1469,76	1394,53	46,559	14,606
10	1506,41	9,913	26,601	1531,48	1471,69	38,256	12,266
11	1564,27	12,028	25,404	1589,34	1539,2	32,147	10,645
12	1610,56	14,35	19,032	1629,85	1591,27	23,758	5,239
13	1654,92	10,657	24,731	1714,72	1633,71	43,48	10,865
14	2492,03	57,104	3,659	2520,96	2422,59	22,399	1,478
15	2588,47	51,671	5,929	2630,91	2522,89	27,918	2,387
16	2665,62	50,974	2,504	2682,98	2632,83	13,885	0,509
17	2792,93	44,734	5,884	2819,93	2750,49	21,998	1,71
18	2879,72	43,378	3,601	2899,01	2850,79	16,529	0,885
19	2929,87	41,482	1,625	2941,44	2900,94	14,795	0,31
20	3001,24	36,199	0,226	3003,17	2949,16	22,376	0,421
21	3035,96	31,658	1,779	3043,67	3003,17	18,975	0,288
22	3109,25	23,125	1,307	3115,04	3045,6	38,613	0,357
23	3161,33	19,754	2,894	3186,4	3130,47	37,495	1,528
24	3203,76	21,889	0,877	3236,55	3197,98	23,965	0,215
25	3325,28	20,043	14,708	3454,51	3300,2	55,724	4,805

Lampiran 23. Gambar puncak 6B



	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	597,93	15,313	10,114	615,29	574,79	27,379	3,303
2	640,37	19,078	6,632	659,66	617,22	26,924	1,865
3	783,1	13,604	9,796	810,1	713,66	68,597	9,51
4	817,82	18,646	4,075	850,61	812,03	24,433	0,689
5	1053,13	19,436	3,575	1064,71	1008,77	34,941	1,157
6	1141,86	7,906	4,685	1155,36	1093,64	55,317	4,178
7	1176,58	5,677	1,818	1186,22	1157,29	33,381	1,754
8	1197,79	5,551	0,427	1209,37	1188,15	26,31	0,348
9	1238,3	6,028	0,915	1274,95	1234,44	42,261	0,906
10	1357,89	9,96	1,391	1371,39	1346,31	24,438	0,742
11	1390,68	7,929	2,872	1404,18	1373,32	31,679	1,977
12	1421,54	9,253	3,678	1489,05	1406,11	68,922	3,656
13	1629,85	12,454	0,271	1631,78	1564,27	51,74	0,179
14	1712,79	2,08	0,379	1714,72	1653	78,681	1,18
15	1739,79	1,653	1,724	1843,95	1730,15	124,804	2,803
16	2301,08	18,448	0,06	2303,01	2254,79	34,408	0
17	2432,24	14,766	0,073	2434,17	2389,8	35,807	0,046
18	2536,39	10,829	0,074	2538,32	2436,09	91,721	0,067
19	2565,33	10,192	0,074	2567,25	2540,25	26,497	0,111
20	2740,85	10,167	0,054	2742,78	2711,92	30,295	0,035
21	2839,22	8,384	0,157	2841,15	2794,85	48,127	0,043
22	2906,73	6,773	0,05	2908,65	2883,58	28,866	0,087
23	3336,85	3,823	0,083	3348,42	3331,07	24,5	0,087
24	3496,94	2,971	1,636	3516,23	3481,51	49,543	3,163

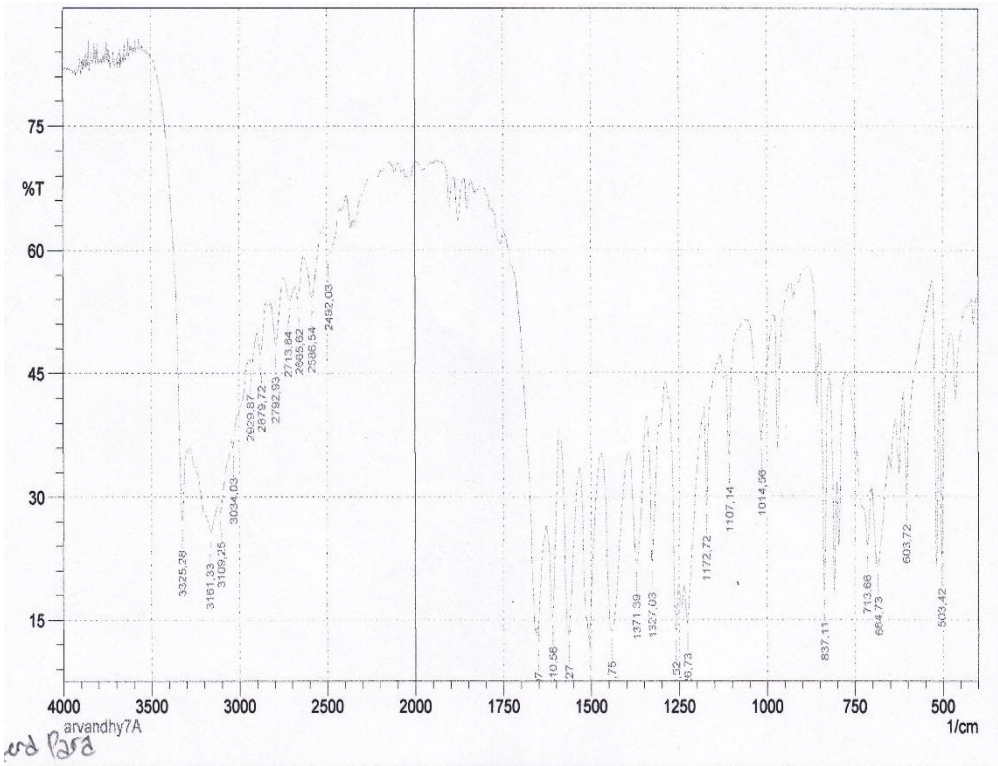
Lampiran 24. Gambar puncak 6C



Bara benzen.

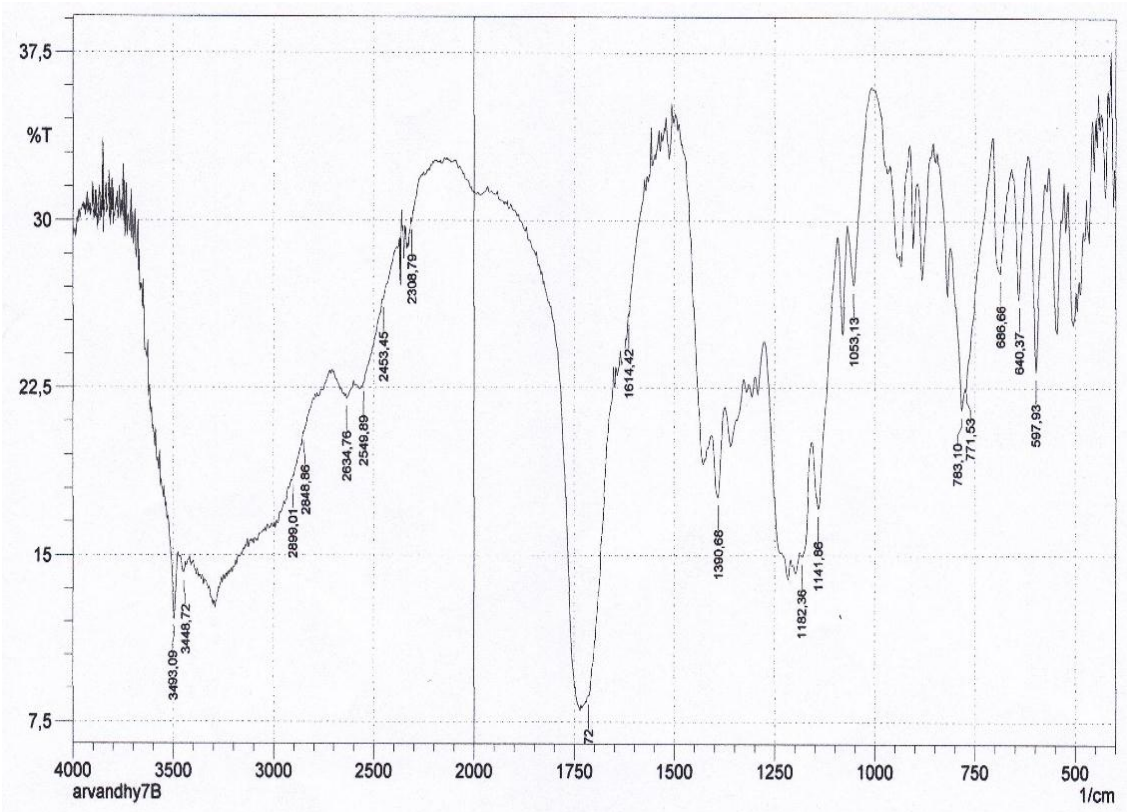
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	603,72	9,358	4,142	611,43	561,29	45,141	3,011
2	1016,49	12,997	2,729	1026,13	983,7	34,157	0,99
3	1172,72	3,045	0,997	1176,58	1136,07	48,927	0,516
4	1226,73	1,27	0,7	1236,37	1195,87	71,025	3,679
5	1259,52	1,801	1,602	1274,95	1253,73	31,985	1,725
6	1327,03	3,878	2,414	1342,46	1303,88	48,891	2,703
7	1371,39	3,474	1,417	1384,89	1344,38	54,752	2,609
8	1438,9	2,226	3,936	1471,69	1417,68	76,126	10,006
9	1508,33	1,869	0,865	1510,26	1479,4	37,978	0,407
10	1564,27	2,534	5,95	1583,56	1539,2	58,487	10,882
11	1610,56	2,106	2,982	1620,21	1585,49	47,092	4,31
12	1654,92	1,264	2,381	1672,28	1627,92	71,303	7,569
13	1716,65	0,871	0,925	1732,08	1674,21	104,913	7,579
14	2231,64	16,13	0,025	2233,57	2193,06	31,803	0,015
15	2293,36	14,845	0,054	2295,29	2237,43	46,764	0,017
16	2495,89	8,701	0,284	2501,67	2387,87	111,202	0,566
17	2586,54	6,729	0,06	2588,47	2503,6	94,326	0,159
18	2665,62	6,692	0,312	2681,05	2640,55	47,188	0,477
19	2796,78	5,343	0,287	2806,43	2744,71	75,471	0,439
20	2885,51	3,969	0,114	2889,37	2818	94,677	0,277
21	2922,16	3,361	0,067	2924,09	2900,94	33,327	0,076
22	3037,89	2,145	0,069	3041,74	3016,67	41,248	0,272
23	3107,32	1,506	0,18	3113,11	3093,82	34,488	0,41
24	3319,49	1,258	0,107	3323,35	3298,28	45,786	0,236
25	3327,21	1,134	0,277	3346,5	3323,35	42,688	0,948
26	3375,43	2,207	0,121	3388,93	3369,64	31,711	0,273

Lampiran 25. Gambar puncak 7A



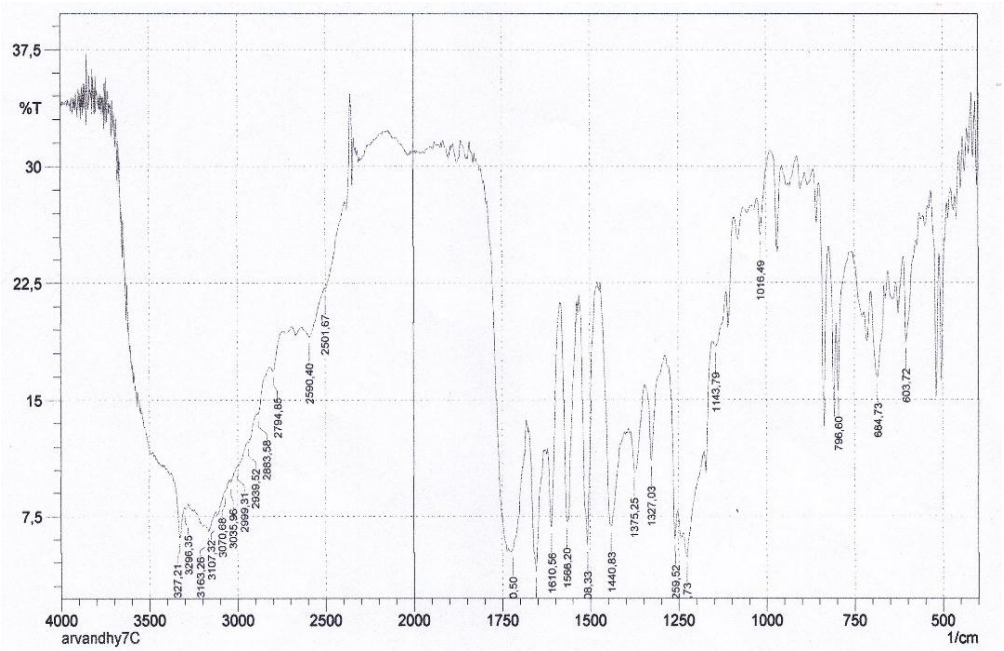
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	503,42	22,481	21,522	509,21	478,35	12,416	2,104
2	603,72	30,254	13,608	611,43	530,42	27,442	2,414
3	684,73	21,424	11,193	704,02	655,8	27,587	4,35
4	713,66	24,122	8,439	773,46	705,95	32,226	3,279
5	837,11	18,425	28,429	848,68	823,6	12,117	3,779
6	1014,56	36,854	9,668	1026,13	979,84	16,255	1,675
7	1107,14	34,885	11,995	1116,78	1060,85	18,355	1,097
8	1172,72	28,898	12,767	1178,51	1134,14	17,035	1,232
9	1226,73	14,587	7,735	1234,44	1180,44	31,287	2,261
10	1259,52	13,567	13,002	1274,95	1251,8	15,265	2,276
11	1327,03	21,97	17,319	1340,53	1307,74	16,784	3,432
12	1371,39	21,747	15,381	1392,61	1342,46	26,847	5,474
13	1442,75	13,589	21,696	1471,69	1394,53	48,553	13,676
14	1504,48	11,279	7,935	1512,19	1473,62	25,009	1,594
15	1564,27	13,159	22,662	1589,34	1535,34	34,287	9,957
16	1610,56	15,358	16,523	1627,92	1591,27	22,818	4,666
17	1651,07	12,327	3,645	1654,92	1629,85	17,697	0,359
18	2492,03	59,427	4,085	2520,96	2424,52	20,31	1,572
19	2586,54	54,251	6,435	2628,98	2522,89	25,076	2,348
20	2665,62	54,081	2,632	2682,98	2630,91	13,011	0,456
21	2713,84	53,733	2,228	2748,56	2684,91	16,548	0,515
22	2792,93	48,214	6,556	2823,79	2750,49	20,797	1,787
23	2879,72	47,112	4,155	2899,01	2848,86	15,232	0,887
24	2929,87	46,039	1,709	2945,3	2900,94	14,35	0,323
25	3034,03	35,98	1,731	3041,74	2947,23	36,602	0,625
26	3109,25	28,18	1,961	3122,75	3068,75	27,73	0,641
27	3161,33	25,542	2,651	3190,26	3124,68	37,21	1,223
28	3325,28	27,105	14,616	3487,3	3302,13	43,841	3,742

Lampiran 26. Gambar puncak 7B



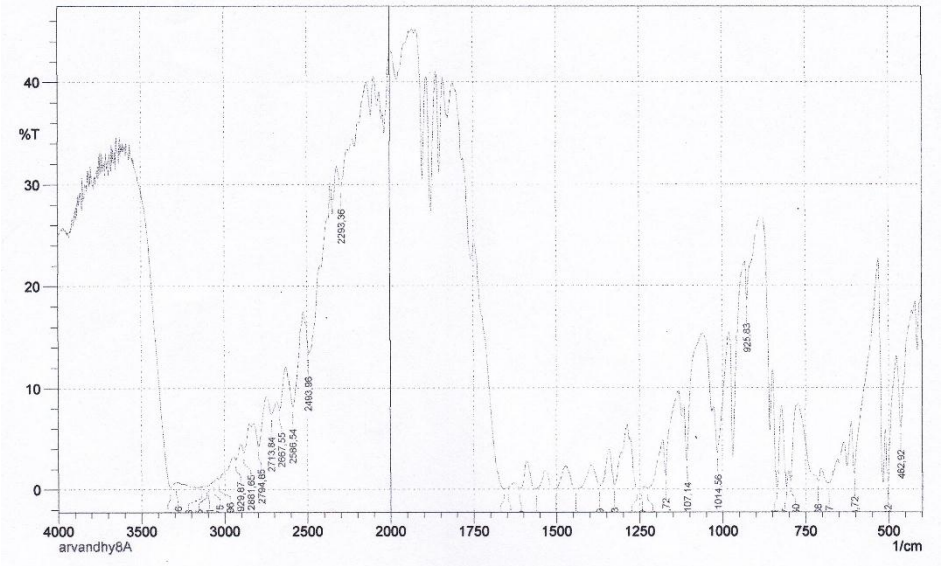
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	597,93	23,238	9,12	617,22	576,72	22,206	2,323
2	640,37	26,496	6,164	659,66	619,15	21,053	1,383
3	686,66	27,679	5,426	705,95	661,58	23,293	1,914
4	771,53	22,331	0,336	773,46	707,88	36,172	0
5	783,1	21,481	1,989	810,1	777,31	19,973	0,352
6	1053,13	27,139	3,969	1066,64	1008,77	29,107	1,106
7	1141,86	17,095	4,998	1155,36	1093,64	40,696	2,878
8	1182,36	14,936	0,853	1186,22	1157,29	22,393	0,603
9	1390,68	17,603	3,389	1406,11	1375,25	22,1	1,196
10	1614,42	25,687	0,422	1616,35	1575,84	21,893	0,058
11	1714,72	8,634	0,49	1716,65	1653	53,207	0,47
12	2308,79	29,942	0,34	2312,65	2264,43	24,405	0,023
13	2453,45	26,436	0,108	2455,38	2391,73	35,631	0,059
14	2549,89	22,678	0,097	2551,82	2457,31	57,81	0,156
15	2634,76	21,995	0,243	2638,62	2601,97	23,874	0,124
16	2848,86	20,479	0,09	2850,79	2804,5	31,171	0,06
17	2899,01	18,528	0,117	2900,94	2862,36	27,616	0,043
18	3448,72	14,201	0,56	3464,15	3441,01	19,455	0,244
19	3493,09	12,104	3,541	3527,8	3475,73	43,93	2,294

Lampiran 27. Gambar puncak 7C



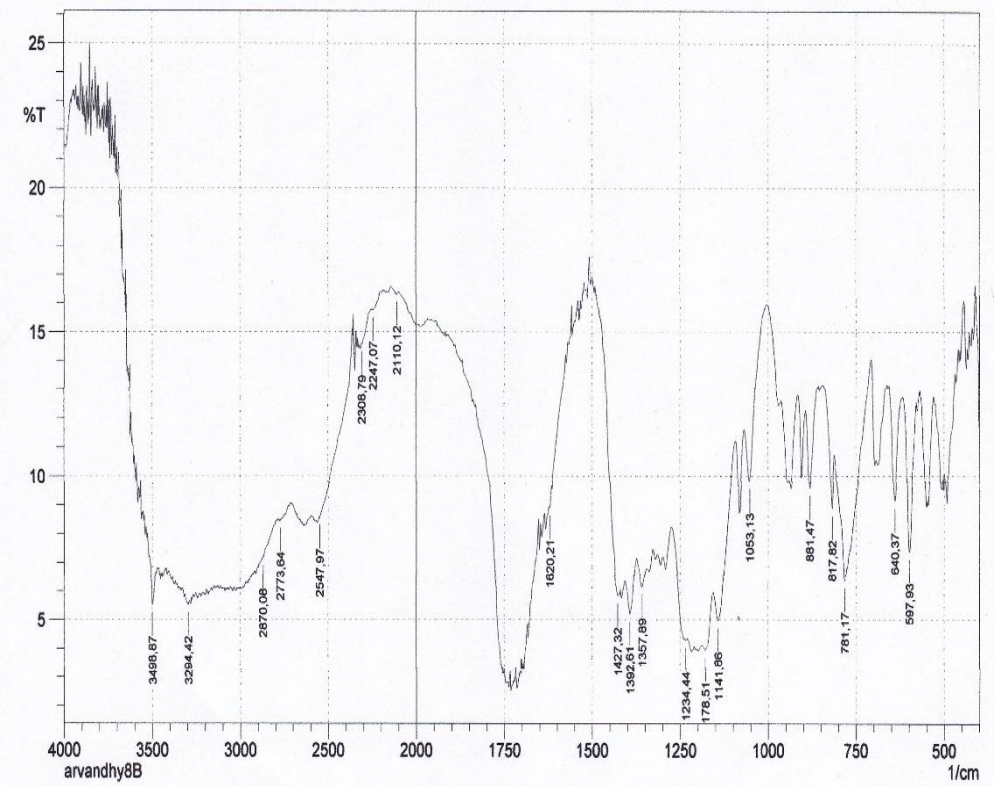
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	603,72	18,644	5,759	611,43	576,72	22,827	1,756
2	684,73	16,415	5,75	704,02	667,37	26,834	2,854
3	796,6	15,557	4,035	800,46	765,74	23,186	0,525
4	1016,49	25,588	2,969	1024,2	987,55	19,941	0,543
5	1143,79	18,403	1,01	1151,5	1114,86	25,997	0,665
6	1226,73	4,868	2,186	1234,44	1178,51	61,355	1,984
7	1259,52	6,001	4,079	1276,88	1253,73	23,122	1,437
8	1327,03	11,094	5,342	1342,46	1288,45	44,375	2,608
9	1375,25	10,353	3,284	1384,89	1344,38	36,416	2,371
10	1440,83	6,838	11,16	1469,76	1404,18	62,535	11,609
11	1508,33	5,597	16,418	1531,48	1481,33	43,45	10,523
12	1566,2	7,123	13,925	1583,56	1539,2	39,508	9,466
13	1610,56	6,79	7,454	1620,21	1585,49	30,96	3,386
14	1654,92	3,923	8,564	1680	1633,71	50,28	8,466
15	1720,5	5,252	0,475	1722,43	1681,93	44,008	1,136
16	2501,67	22,127	0,25	2505,53	2389,8	70,225	0,351
17	2590,4	19,006	0,425	2598,12	2505,53	63,797	0,433
18	2794,85	16,819	1,02	2816,07	2752,42	47,721	0,636
19	2883,58	14,099	0,129	2885,51	2818	53,956	0,045
20	2939,52	12,256	0,125	2941,44	2897,08	39,155	0,171
21	2999,31	10,739	0,148	3003,17	2953,02	47,457	0,344
22	3035,96	9,675	0,351	3043,67	3020,53	23,193	0,179
23	3070,68	9,082	0,055	3072,6	3045,6	27,652	0,043
24	3107,32	7,655	0,174	3111,18	3074,53	39,498	0,071
25	3163,26	6,54	0,636	3180,62	3122,75	66,512	0,906
26	3296,35	7,952	0,18	3300,2	3280,92	21,102	0,135
27	3327,21	6,111	2,725	3358,07	3302,13	62,526	3,634

Lampiran 28. Gambar puncak 8A



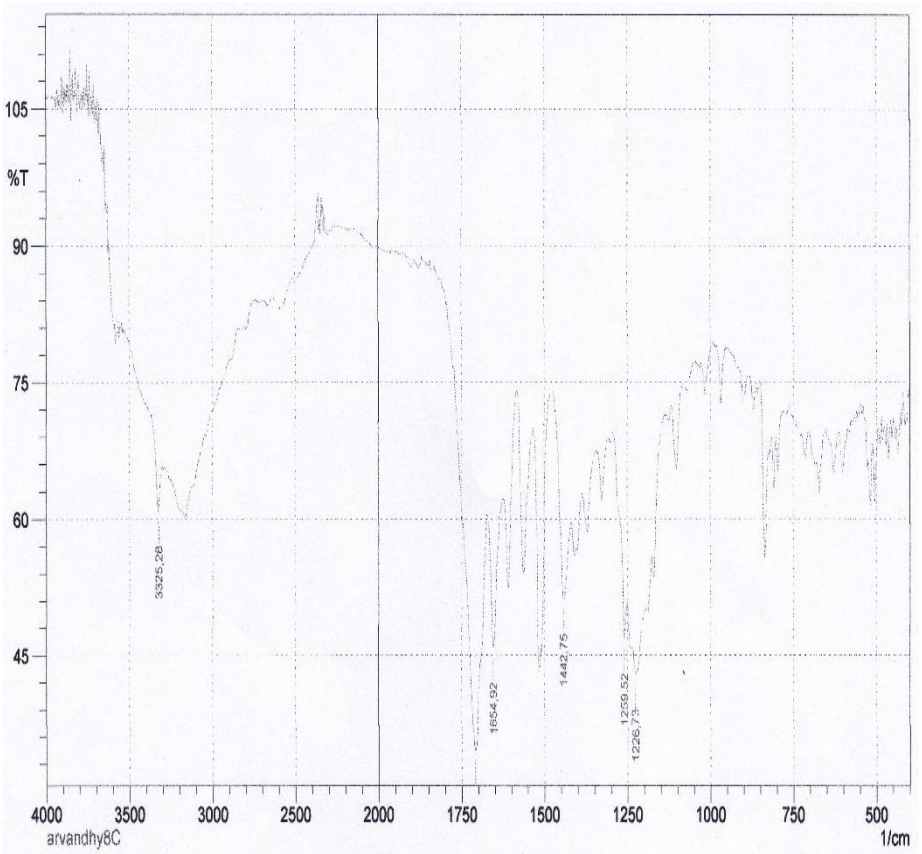
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	462,92	6,061	8,262	476,42	430,13	43,272	5,426
2	503,42	0,659	6,537	509,21	478,35	39,464	7,123
3	603,72	1,458	6,665	611,43	532,35	82,733	10,791
4	680,87	0,575	0,165	682,8	667,37	31,465	1,185
5	713,66	0,751	2,162	771,53	704,02	108,015	13,936
6	796,6	0,731	2,003	800,46	773,46	38,415	2,78
7	808,17	0,259	3,562	821,68	802,39	33,817	6,367
8	837,11	0,244	9,799	848,68	823,6	40,078	14,526
9	925,83	18,495	4,378	931,62	883,4	30,483	1,137
10	1014,56	3,611	6,303	1026,13	979,84	50,906	7,146
11	1107,14	2,822	6,693	1116,78	1058,92	57,131	4,25
12	1172,72	1,331	4,123	1178,51	1134,14	55,513	4,303
13	1226,73	0,076	0,821	1234,44	1180,44	111,598	8,935
14	1244,09	0,147	0,09	1247,94	1236,37	31,643	1,283
15	1259,52	0,068	1,884	1276,88	1249,87	63,255	9,674
16	1327,03	0,406	3,381	1340,53	1307,74	59,749	12,973
17	1371,39	0,332	2,693	1392,61	1342,46	97,539	21,735
18	1442,75	0,043	2,269	1469,76	1394,53	177,591	54,783
19	1502,55	0,02	0,309	1506,41	1471,69	77,985	3,637
20	1562,34	0,046	2,302	1587,42	1533,41	127,659	38,591
21	1612,49	0,087	1,507	1629,85	1589,34	93,427	18,332
22	1647,21	0,06	0,078	1649,14	1631,78	43,803	0,421
23	1658,78	0,031	1,572	1747,51	1653	137,849	5,258
24	2293,36	29,754	2,653	2318,44	2252,86	32,972	1,072
25	2493,96	13,335	5,379	2520,96	2422,59	77,458	7,967
26	2586,54	8,182	6,123	2630,91	2522,89	101,765	11,461
27	2667,55	7,812	2,011	2684,91	2632,83	53,683	2,301
28	2713,84	7,392	1,507	2750,49	2686,84	69,18	2,381
29	2794,85	4,243	3,299	2821,86	2752,42	84,991	7,905
30	2881,65	3,628	1,591	2899,01	2848,86	66,962	3,675
31	2929,87	2,958	0,761	2945,3	2900,94	64,499	1,953
32	3035,96	0,96	0,325	3043,67	2947,23	168,349	3,115
33	3068,75	0,709	0,084	3072,6	3045,6	55,462	0,551

Lampiran 29. Gambar puncak 8B



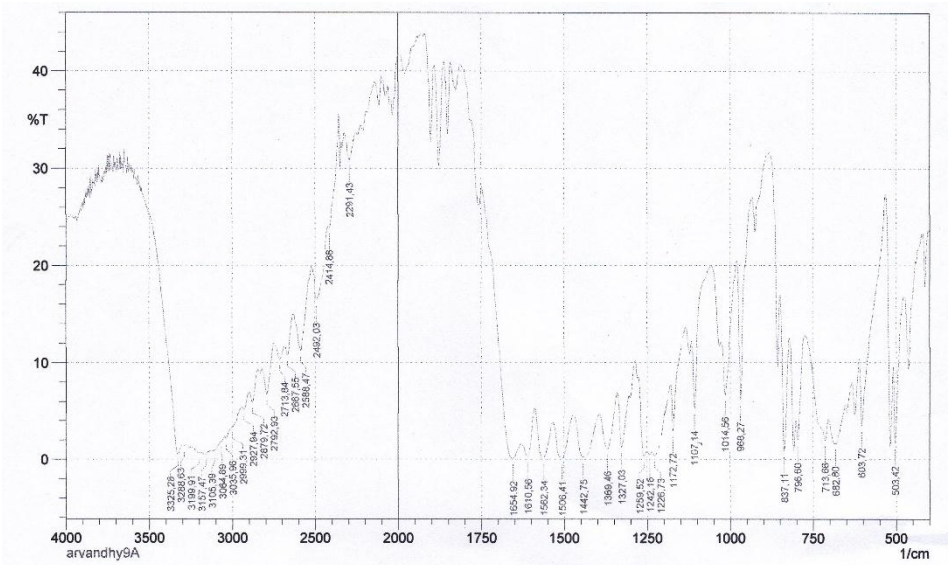
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	597,93	7,371	5,112	615,29	580,57	34,871	3,48
2	640,37	9,133	3,832	655,8	617,22	36,558	2,265
3	781,17	6,36	5,262	810,1	707,88	105,222	12,078
4	817,82	8,869	2,275	844,82	812,03	31,158	0,855
5	881,47	9,575	2,947	893,04	858,32	32,885	1,736
6	1053,13	9,802	2,718	1066,64	1004,91	54,935	1,773
7	1141,86	4,986	2,114	1155,36	1093,64	70,627	3,778
8	1178,51	3,942	0,534	1184,29	1157,29	36,15	0,982
9	1234,44	4,285	0,552	1274,95	1228,66	57,897	1,32
10	1357,89	6,147	0,777	1373,32	1346,31	31,991	0,693
11	1392,61	5,191	1,44	1404,18	1375,25	35,475	1,571
12	1427,32	5,83	1,378	1489,05	1419,61	69,045	1,11
13	1620,21	8,904	0,44	1624,06	1577,77	43,869	0,1
14	2110,12	16,301	0,151	2140,99	2098,55	33,291	0,074
15	2247,07	15,758	0,097	2252,86	2198,85	42,918	0,102
16	2308,79	14,577	0,111	2312,65	2270,22	34,912	0,129
17	2547,97	8,582	0,094	2549,89	2364,73	178,372	3,881
18	2773,64	8,466	0,064	2779,42	2729,27	53,341	0,205
19	2870,08	7,166	0,101	2873,94	2810,28	70,765	0,075
20	3294,42	5,523	0,181	3313,71	3288,63	31,331	0,245
21	3498,87	5,52	1,399	3516,23	3481,51	41,818	1,498

Lampiran 30 Gambar puncak 8C



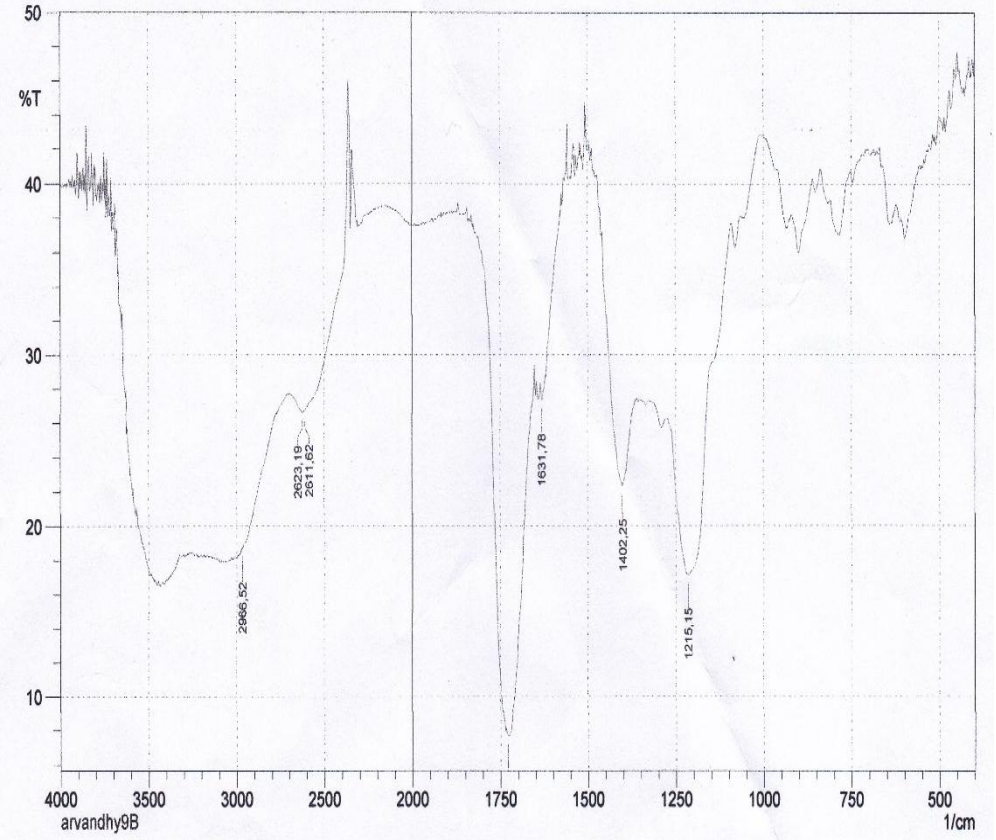
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
	1226,73	42,833	3,879	1234,44	1195,87	12,997	0,732
	1259,52	46,781	7,48	1292,31	1251,8	9,786	0,539
	1442,75	51,103	14,18	1473,62	1421,54	11,63	2,222
	1654,92	45,791	15,322	1670,35	1627,92	11,22	2,224
	1708,93	34,513	32,814	1811,16	1672,28	32,904	13,254
	3325,28	60,872	6,949	3371,57	3300,2	12,806	1,104

Lampiran 31 Gambar puncak 9A



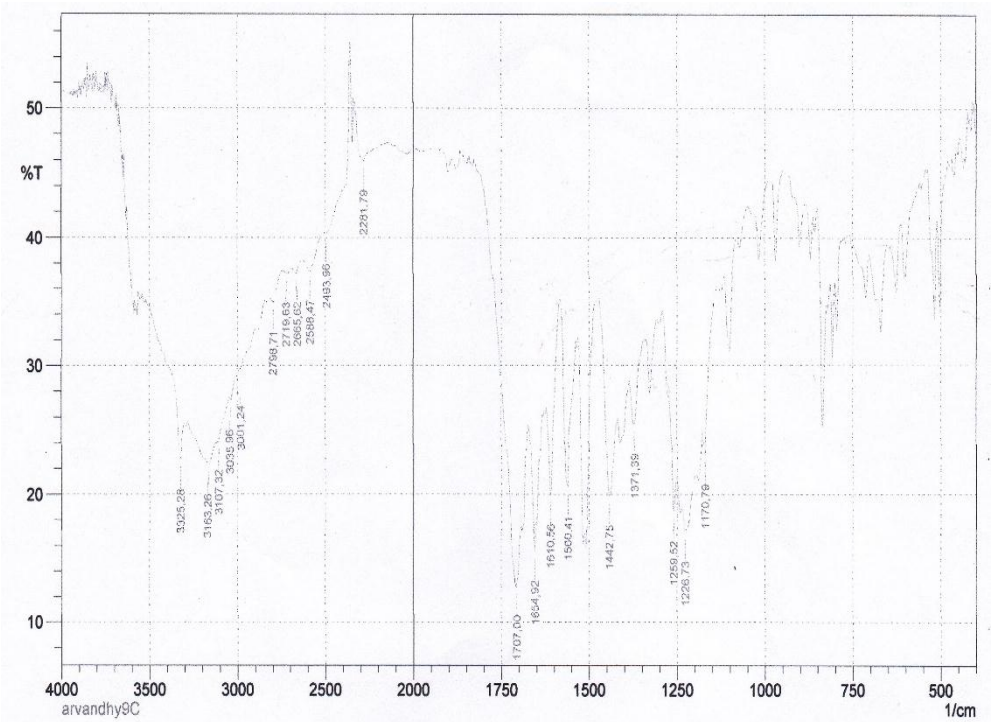
	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	503,42	1,66	9,285	509,21	476,35	33,507	6,063
2	603,72	3,488	8,503	611,43	532,35	69,61	8,803
3	682,8	1,584	3,087	702,09	655,8	72,897	11,714
4	713,66	1,977	3,401	773,46	704,02	89,191	10,206
5	796,6	1,963	3,287	800,46	775,38	29,883	2,399
6	837,11	0,904	13,854	848,68	823,6	32,57	11,331
7	968,27	6,174	15,545	977,91	933,55	33,441	5,609
8	1014,56	6,672	7,603	1026,13	979,84	42,391	5,531
9	1107,14	5,262	8,253	1116,78	1058,92	48,683	3,376
10	1172,72	2,938	5,634	1178,51	1134,14	46,823	3,432
11	1226,73	0,341	1,403	1234,44	1180,44	91,273	6,395
12	1242,16	0,475	0,307	1249,87	1236,37	29,902	1,457
13	1259,52	0,278	2,911	1276,88	1251,8	46,461	6,447
14	1327,03	1,24	5,483	1340,53	1307,74	48,568	10,011
15	1369,46	1,09	4,569	1392,61	1342,46	79,369	16,915
16	1442,75	0,229	4,339	1469,76	1394,53	142,342	41,731
17	1506,41	0,059	4,057	1531,48	1471,69	118,361	35,887
18	1562,34	0,11	4,214	1587,42	1539,2	98,742	32,568
19	1610,56	0,262	2,997	1627,92	1589,34	73,658	14,848
20	1654,92	0,044	7,202	1747,51	1629,85	166,634	34,831
21	2291,43	30,859	2,801	2326,15	2252,86	35,911	1,249
22	2414,88	23,876	1,52	2422,59	2358,94	35,724	1,86
23	2492,03	16,374	4,81	2520,96	2424,52	69,56	6,014
24	2588,47	11,238	5,641	2628,98	2522,89	89,181	8,444
25	2667,55	10,781	1,987	2684,91	2630,91	48,984	1,713
26	2713,84	10,293	1,552	2748,56	2686,84	58,941	1,793
27	2792,93	6,772	3,656	2821,86	2750,49	75,323	5,869
28	2879,72	5,96	1,942	2899,01	2848,86	57,556	2,879
29	2927,94	5,155	0,949	2945,3	2900,94	54,875	1,5
30	2999,31	3,297	0,106	3001,24	2947,23	74,521	0,805
31	3035,96	2,168	0,348	3041,74	3003,17	60,279	0,709
32	3064,89	1,781	0,051	3066,82	3043,67	38,953	0,087
33	3105,39	0,844	0,113	3109,25	3070,68	73,144	0,218

Lampiran 32. Gambar puncak 9B



	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	1215,15	17,155	12,907	1276,88	1091,71	113,924	21,054
2	1402,25	22,332	9,09	1458,18	1363,67	54,962	8
3	1631,78	27,313	1,722	1635,64	1575,84	29,078	0,759
4	1728,22	7,682	1,226	1732,08	1654,92	63,769	1,769
5	2611,62	26,737	0,148	2613,55	2360,87	128,846	14,14
6	2623,19	26,643	0,198	2671,41	2615,47	31,857	0,137
7	2966,52	18,729	0,086	2968,45	2709,99	162,868	0,155

Lampiran 33. Gambar puncak 9C



	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	1170,79	23,043	3,455	1176,58	1136,07	20,868	0,4
2	1226,73	17,016	2,369	1234,44	1197,79	26,546	1,074
3	1259,52	18,62	5,167	1292,31	1251,8	24,03	0,919
4	1371,39	25,386	4,488	1384,89	1344,38	22,087	1,18
5	1442,75	19,868	10,008	1471,69	1419,61	31,199	3,856
6	1560,41	20,563	12,874	1581,63	1539,2	24,592	4,346
7	1610,56	19,968	8,73	1620,21	1583,56	20,922	2,153
8	1654,92	15,518	10,197	1672,28	1633,71	26,184	3,473
9	1707	12,769	7,467	1770,65	1695,43	50,449	5,018
10	2281,79	45,919	2,158	2333,87	2249	27,962	1,231
11	2493,96	40,188	0,548	2505,53	2389,8	43,693	0,306
12	2588,47	37,365	1,622	2630,91	2507,46	51,034	1,002
13	2665,62	37,196	0,687	2686,84	2632,83	22,915	0,194
14	2719,63	37,184	0,293	2736,99	2688,77	20,627	0,096
15	2798,71	34,94	0,828	2816,07	2746,63	30,804	0,29
16	3001,24	29,143	0,096	3003,17	2935,66	35,012	0,033
17	3035,96	27,306	0,562	3043,67	3005,1	21,186	0,106
18	3107,32	24,069	0,105	3109,25	3045,6	37,33	0,002
19	3163,26	22,282	0,26	3167,12	3122,75	28,18	0,087
20	3325,28	22,668	3,996	3419,79	3300,2	67,107	1,527

Nama Sampel			Waktu	Absorbansi			Nilai x			F.A	F.E	kadar			KADAR (%)		
			(menit)	R1	R2	R3	R1	R2	R3			R1	R2	R3	R1	R2	R3
130˚C	10 menit	1A	5	0,335	0,328	0,359	5,0235	4,9142	5,3982	500	25	62,7937	61,4275	67,4778	62,79%	61,43%	67,48%
		1A	15	0,365	0,358	0,372	5,4919	5,3826	5,6012	500	25	68,6489	67,2827	70,0151	68,65%	67,28%	70,02%
		1A	30	0,409	0,433	0,415	6,1789	6,5537	6,2726	500	25	77,2365	81,9207	78,4075	77,24%	81,92%	78,41%
	20 menit	2A	5	0,198	0,291	0,249	2,8844	4,3365	3,6807	500	25	36,0550	54,2061	46,0088	36,05%	54,21%	46,01%
		2A	15	0,419	0,322	0,372	6,3351	4,8205	5,6012	500	25	79,1882	60,2564	70,0151	79,19%	60,26%	70,02%
		2A	30	0,435	0,373	0,421	6,5849	5,6168	6,3663	500	25	82,3110	70,2103	79,5786	82,31%	70,21%	79,58%
	30 menit	3A	5	0,102	0,184	0,221	1,3855	2,6658	3,2435	500	25	17,3184	33,3226	40,5440	17,32%	33,32%	40,54%
		3A	15	0,283	0,245	0,273	4,2116	3,6182	4,0554	500	25	52,6447	45,2281	50,6930	52,64%	45,23%	50,69%
		3A	30	0,299	0,263	0,292	4,4614	3,8993	4,3521	500	25	55,7675	48,7412	54,4012	55,77%	48,74%	54,40%
160˚C	10 menit	4A	5	0,033	0,082	0,099	0,3081	1,0732	1,3386	500	25	3,8514	13,4149	16,7328	3,85%	13,41%	16,73%
		4A	15	0,173	0,33	0,332	2,4941	4,9454	4,9767	500	25	31,1756	61,8178	62,2082	31,18%	61,82%	62,21%
		4A	30	0,202	0,333	0,404	2,9469	4,9923	6,1009	500	25	36,8357	62,4033	76,2606	36,84%	62,40%	76,26%
	20 menit	5A	5	0,042	0,072	0,097	0,4486	0,9171	1,3074	500	25	5,6080	11,4632	16,3425	5,61%	11,46%	16,34%
		5A	15	0,063	0,187	0,174	0,7765	2,7126	2,5097	500	25	9,7066	33,9081	31,3708	9,71%	33,91%	31,37%
		5A	30	0,168	0,201	0,258	2,4160	2,9312	3,8212	500	25	30,1998	36,6405	47,7654	30,20%	36,64%	47,77%
	30 menit	6A	5	0,023	0,124	0,107	0,1520	1,7290	1,4635	500	25	1,8997	21,6122	18,2942	1,90%	21,61%	18,29%
		6A	15	0,049	0,185	0,159	0,5579	2,6814	2,2755	500	25	6,9742	33,5177	28,4432	6,97%	33,52%	28,44%
		6A	30	0,132	0,217	0,245	1,8539	3,1811	3,6182	500	25	23,1736	39,7633	45,2281	23,17%	39,76%	45,23%
190˚C	10 menit	7A	5	0,059	0,127	0,172	0,7141	1,7758	2,4784	500	25	8,9259	22,1977	30,9805	8,93%	22,20%	30,98%
		7A	15	0,072	0,137	0,229	0,9171	1,9320	3,3684	500	25	11,4632	24,1494	42,1053	11,46%	24,15%	42,11%
		7A	30	0,291	0,296	0,265	4,3365	4,4146	3,9305	500	25	54,2061	55,1819	49,1316	54,21%	55,18%	49,13%
	20 menit	8A	5	0,034	0,113	0,107	0,3237	1,5572	1,4635	500	25	4,0466	19,4653	18,2942	4,05%	19,47%	18,29%
		8A	15	0,066	0,159	0,199	0,8234	2,2755	2,9000	500	25	10,2921	28,4432	36,2501	10,29%	28,44%	36,25%
		8A	30	0,175	0,276	0,245	2,5253	4,1023	3,6182	500	25	31,5660	51,2785	45,2281	31,57%	51,28%	45,23%
	30 menit	9A	5	0,033	0,138	0,171	0,3081	1,9476	2,4628	500	25	3,8514	24,3446	30,7853	3,85%	24,34%	30,79%
		9A	15	0,153	0,192	0,271	2,1818	2,7907	4,0242	500	25	27,2722	34,8839	50,3026	27,27%	34,88%	50,30%
		9A	30	0,267	0,373	0,325	3,9618	5,6168	4,8674	500	25	49,5219	70,2103	60,8420	49,52%	70,21%	60,84%

Tabel 26. Kadar Sampel Paracetamol

Nama Sampel			Waktu	Absorbansi			Nilai x			F.a	F.e	Kadar			KADAR (%)		
			(menit)	R1	R2	R3	R1	R2	R3			R1	R2	R3	R1	R2	R3
130˚C	10 menit	1C	5	0,649	0,668	0,579	9,9262	10,2229	8,8333	500	10	49,6312	51,1145	44,1664	49,63%	51,11%	44,17%
		1C	15	0,678	0,63	0,648	10,3790	9,6296	9,9106	500	10	51,8952	48,1479	49,5531	51,90%	48,15%	49,55%
		1C	30	0,721	0,668	0,686	11,0504	10,2229	10,5040	500	10	55,2522	51,1145	52,5198	55,25%	51,11%	52,52%
	20 menit	2C	5	0,502	0,471	0,548	7,6310	7,1470	8,3492	500	10	38,1550	35,7349	41,7462	38,16%	35,73%	41,75%
		2C	15	0,586	0,534	0,589	8,9426	8,1307	8,9894	500	10	44,7129	40,6533	44,9471	44,71%	40,65%	44,95%
		2C	30	0,665	0,544	0,621	10,1761	8,2868	9,4891	500	10	50,8803	41,4339	47,4453	50,88%	41,43%	47,45%
	30 menit	3C	5	0,548	0,756	0,757	8,3492	11,5969	11,6125	500	10	41,7462	57,9846	58,0627	41,75%	57,98%	58,06%
		3C	15	0,609	0,825	0,978	9,3017	12,6743	15,0632	500	10	46,5084	63,3714	75,3160	46,51%	63,37%	75,32%
		3C	30	0,698	0,935	1,129	10,6913	14,3918	17,4209	500	10	53,4566	71,9590	87,1044	53,46%	71,96%	87,10%
160 ˚C	10 menit	4C	5	0,271	0,341	0,286	4,0242	5,1172	4,2584	500	10	20,1210	25,5859	21,2921	20,12%	25,59%	21,29%
		4C	15	0,417	0,488	0,541	6,3038	7,4124	8,2399	500	10	31,5192	37,0621	41,1997	31,52%	37,06%	41,20%
		4C	30	0,576	0,655	0,72	8,7864	10,0199	11,0348	500	10	43,9322	50,0996	55,1741	43,93%	50,10%	55,17%
	20 menit	5C	5	0,625	0,364	0,628	9,5515	5,4763	9,5984	500	10	47,7576	27,3815	47,9918	47,76%	27,38%	47,99%
		5C	15	0,668	0,508	0,716	10,2229	7,7247	10,9724	500	10	51,1145	38,6235	54,8619	51,11%	38,62%	54,86%
		5C	30	0,707	0,587	0,863	10,8318	8,9582	13,2676	500	10	54,1592	44,7909	66,3380	54,16%	44,79%	66,34%
	30 menit	6C	5	0,417	0,243	0,343	6,3038	3,5870	5,1484	500	10	31,5192	17,9351	25,7420	31,52%	17,94%	25,74%
		6C	15	0,58	0,473	0,499	8,8489	7,1782	7,5842	500	10	44,2444	35,8910	37,9208	44,24%	35,89%	37,92%
		6C	30	0,649	0,627	0,617	9,9262	9,5827	9,4266	500	10	49,6312	47,9137	47,1330	49,63%	47,91%	47,13%
190˚C	10 menit	7C	5	0,311	0,265	0,247	4,6488	3,9305	3,6495	500	10	23,2438	19,6526	18,2474	23,24%	19,65%	18,25%
		7C	15	0,465	0,491	0,476	7,0533	7,4593	7,2250	500	10	35,2665	37,2963	36,1252	35,27%	37,30%	36,13%
		7C	30	0,571	0,648	0,604	8,7084	9,9106	9,2236	500	10	43,5418	49,5531	46,1181	43,54%	49,55%	46,12%
	20 menit	8C	5	0,1	0,07	0,087	1,3542	0,8858	1,1513	500	10	6,7712	4,4291	5,7563	6,77%	4,43%	5,76%
		8C	15	0,531	0,362	0,435	8,0838	5,4451	6,5849	500	10	40,4190	27,2253	32,9244	40,42%	27,23%	32,92%
		8C	30	0,656	0,529	0,596	10,0355	8,0526	9,0987	500	10	50,1777	40,2629	45,4935	50,18%	40,26%	45,49%
	30 menit	9C	5	0,443	0,229	0,318	6,7098	3,3684	4,7581	500	10	33,5490	16,8421	23,7903	33,55%	16,84%	23,79%
		9C	15	0,616	0,459	0,54	9,4110	6,9596	8,2243	500	10	47,0549	34,7981	41,1217	47,05%	34,80%	41,12%
		9C	30	0,7	0,604	0,639	10,7225	9,2236	9,7701	500	10	53,6127	46,1181	48,8505	53,61%	46,12%	48,85%

Tabel 27. Kadar *Cocrystal* Paracetamol