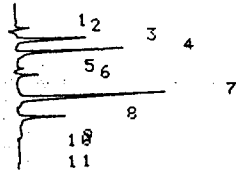


LAMPIRAN

Lampiran 1. Kromatogram sampel akar *Tetrastigma*, batang *Tetrastigma*, *Rafflesia*, dan larutan standar flavonoid, beserta contoh perhitungan kandungan flavonoid.

CH. 1 C.S 5.00 ATT 4 OFFS 0 00/00/00 01:51



00/00/00 01:51

D-2500

METHOD: TAG: 9 CH: 1
FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

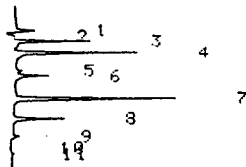
NO.	RT	AREA	CONC	BC
2	0.98	2742	3.414	UB
3	1.49	9674	19.266	BU
4	2.02	17843	21.998	UU
5	2.66	1008	1.255	TBB
6	2.96	1579	6.318	UU
7	3.92	20941	35.423	UU
8	4.72	4453	12.326	UU

TOTAL 80326 100.000

PEAK REJ : 1000

Kromatogram akar *Tetrastigma* populasi 1

CH. 1 C.S 5.00 ATT 4 OFFS 0 00/00/00 01:59



00/00/00 01:59

D-2500

METHOD: TAG: 10 CH: 1
FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

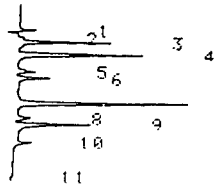
NO.	RT	AREA	CONC	BC
1	0.96	3474	4.632	BB
2	1.21	1294	1.725	BU
3	1.47	10252	17.005	UU
4	2.00	17554	27.997	UU
5	2.71	964	2.619	UU
6	2.96	1628	7.100	UB
7	3.94	21623	31.157	BB
8	4.76	4002	7.764	BB

TOTAL 75000 100.000

PEAK REJ : 1000

Kromatogram akar *Tetrastigma* populasi 2

CH. 1 C.S 5.00 ATT 4 OFFS 0 00/00/00 01:35



D-2500

00/00/00 01:35

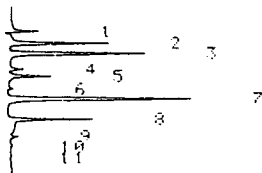
METHOD: TAG: 7 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	CONC	BC
1	0.97	2710	2.409	BB
2	1.28	3263	2.900	BU
3	1.47	15371	13.984	UU
4	1.98	28414	22.098	UU
5	2.67	5285	4.697	UU
6	2.94	3287	3.668	UU
7	3.93	39328	26.598	UU
8	4.52	4310	3.831	UU
9	4.79	10058	12.314	UU
10	5.52	2814	2.501	UB
TOTAL		112512	100.000	
PEAK REJ :		1000		

Kromatogram batang *Tetragium* populasi 1

CH. 1 C.S 5.00 ATT 4 OFFS 0 00/00/00 01:44



D-2500

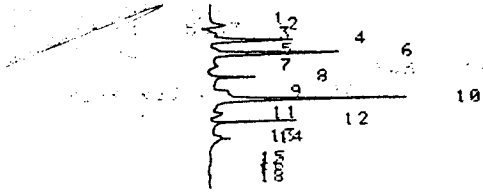
00/00/00 01:44

METHOD: TAG: 8 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	CONC	BC
1	0.95	3469	3.492	BB
2	1.48	15301	17.276	BU
3	1.95	28086	23.909	UU
4	2.60	3352	3.381	UU
5	2.91	3432	6.503	UU
7	3.40	38821	32.295	BB
8	4.75	9869	13.144	BU
TOTAL		99328	100.000	
PEAK REJ :		1000		

Kromatogram batang *Tetragium* populasi 2



D-2500

00/00/00 01:11

METHOD:

TAG: 3 CH: 1

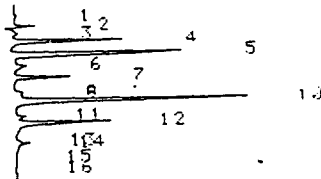
FILE: 1 CALC-METHOD: AREA%

TABLE: 0 CONC: AREA

NO.	RT	AREA	CONC	BC
2	0.80	3937	3.053	UB
3	1.14	3382	2.622	BU
4	1.44	30741	12.118	UU
5	1.81	2374	1.841	UU
6	1.99	56027	19.790	UU
7	2.47	1391	1.079	TBB
8	2.95	7845	7.025	UU
9	3.51	4811	3.730	UU
10	3.93	78656	32.962	UU
11	4.44	2016	1.563	TBB
12	4.82	20115	7.132	UU
13	5.40	3474	2.694	UU
14	5.52	5664	4.392	UU
TOTAL		128974	100.000	
PEAK REJ :		1000		

Kromatogram Rafflesia populasi 1

CH. 1 C.S 5.00 ATT 4 OFFS 0 00/00/00 01:27



D-2500

00/00/00 01:27

METHOD:

TAG: 6 CH: 1

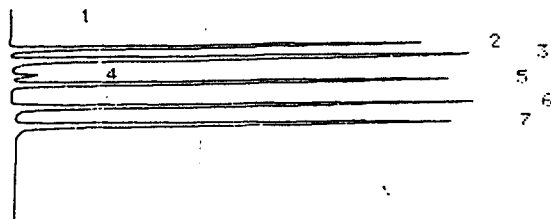
FILE: 1 CALC-METHOD: AREA%

TABLE: 0 CONC: AREA

NO.	RT	AREA	CONC	BC
1	0.38	1489	1.117	BU
2	0.82	3198	2.398	UB
3	1.13	2813	2.110	BU
4	1.45	30602	13.125	UU
5	1.99	56172	22.593	UU
6	2.44	5397	4.047	UU
7	2.91	8361	7.152	UU
8	3.48	1810	1.357	UU
9	3.59	1074	0.805	UU
10	3.92	60091	29.571	UU
11	4.48	2887	2.165	UU
12	4.77	19737	11.780	UU
14	5.57	2372	1.779	UB
TOTAL		133345	100.000	
PEAK REJ :		1000		

Kromatogram Rafflesia populasi 2

1 C.S 5.00 ATT 4 OFFS 0 00/00/00 00:00



D-2500

00/00/00 00:00

METHOD: TAG: 1 CH: 1

FILE: 1 CALC-METHOD: AREA% TABLE: 0 CONC: AREA

NO.	RT	AREA	CONC	BC
2	1.46	69741	16.432	BU - Kafein
3	1.98	96449	22.725	UU - Katekin
4	2.58	4227	0.996	UU
5	2.99	80554	18.980	UB - Leucoanthocyanin
6	3.92	87474	20.611	BU - Ferulic acid
7	4.73	85965	20.255	UB - Nicotin
TOTAL		424410	100.000	
PEAK REJ :		1000		

Kromatogram larutan standar flavonoid

Contoh perhitungan kandungan kafein akar *Tetragium* populasi 1

$$\begin{aligned}
 \text{Kandungan kafein} &= \frac{\text{luas area sampel}}{\text{luas area standar}} \times \frac{250 \text{ ppm} \times 10 \text{ (pengenceran)}}{\text{bobot sampel (g)}} \\
 &= \frac{9674}{69741} \times \frac{50 \times 10}{4} \\
 &= 86.69 \text{ ppm}
 \end{aligned}$$

Lampiran 2. Instrumen penelitian

No.	Nama alat	Penggunaan
1	Blender	Untuk menghaluskan sampel
2	Oven	Untuk mengeringkan sampel yang diekstraksi
3	Buchner filter	Untuk menyaring sampel yang sudah diekstraksi
4	Refrigerator	Untuk menyimpan sampel
5	Seperangkat HPLC	Untuk menentukan kandungan flavonoid yang direkam dengan detektor

Lampiran 3. Personalia tenaga peneliti

Ketua Peneliti

Nama Lengkap : Nery Sofiyanti, S.Si, M.Si
Golongan Pangkat dan NIP : Penata Muda/ IIIa/ 132 257 906
Jabatan Fungsional : Asisten Ahli
Jabatan Struktural : -
Fakultas /Program Studi : FMIPA/Biologi
Bidang Keahlian : Ekologi dan Taksonomi
Pendidikan : S1 Jurusan Botani, Fak. Biologi, UGM, Yogyakarta
S2 Program Pasca Sarjana Biologi UGM Yogyakarta

Anggota Peneliti

Nama Lengkap : Ninik Nihayatul Wahibah, S.P, M.Si
Golongan Pangkat dan NIP : Penata Muda/ IIIa/ 132 259 210
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Jabatan Struktural : -
Fakultas /Program Studi : FMIPA/Biologi
Bidang Keahlian : Genetika Tumbuhan
Pendidikan : S1 Jurusan Budidaya Pertanian, Faperta IPB Bogor
S2 Program Pascasarjana Biologi IPB Bogor
S2 Program Pasca Sarjana Biologi UGM Yogyakarta