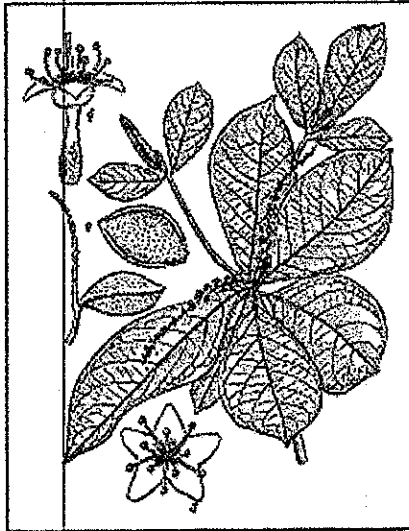


## Lampiran A

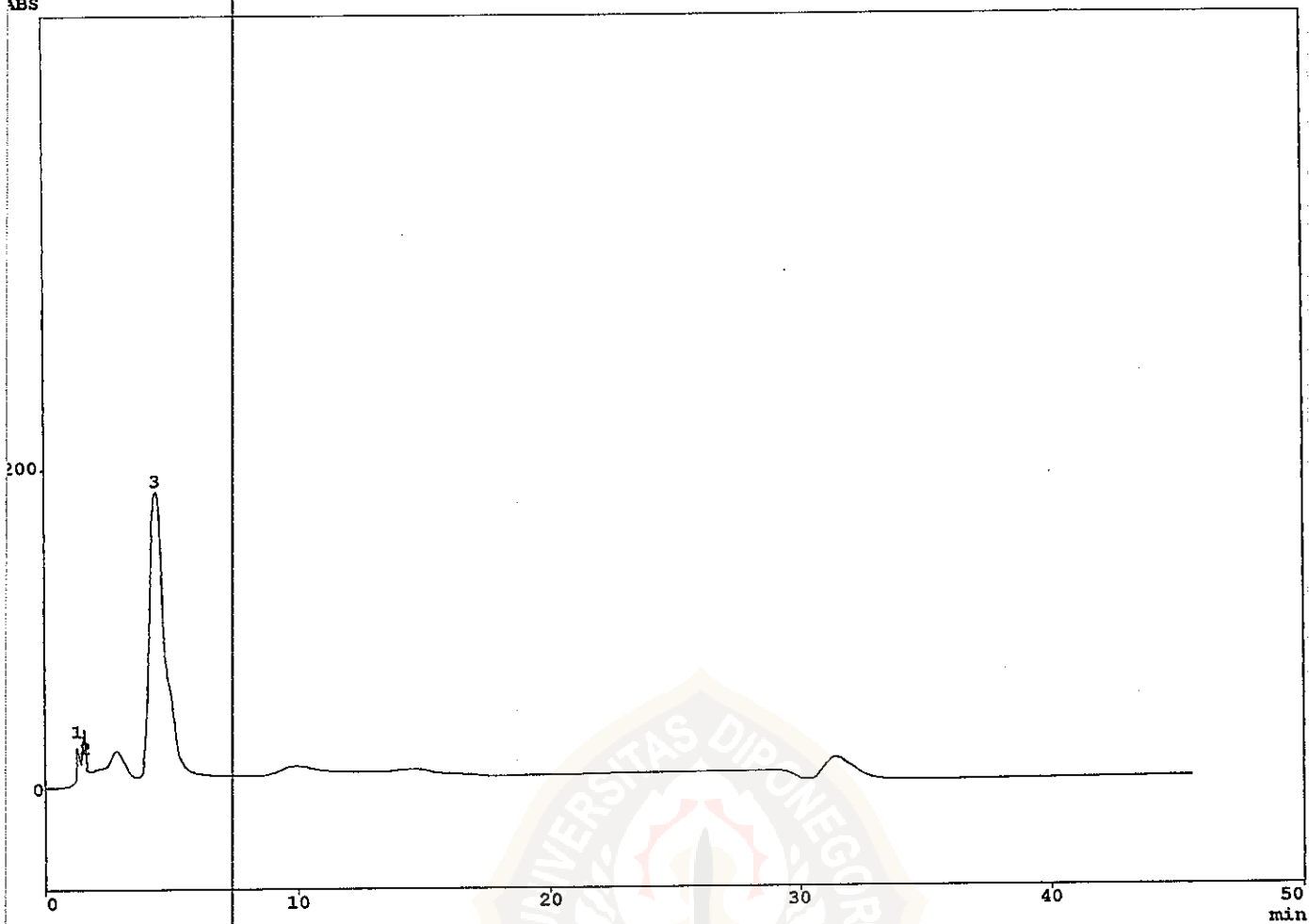


Daun Ketapang (Lemmens, 1999).



le : standar asam tanat  
: rabu,21-9-05  
: Unknown  
stor : SPD-10AV Single  
itor : pur  
od Filename: UNDIP.MET

Chromatogram \*\*\*  
ABS

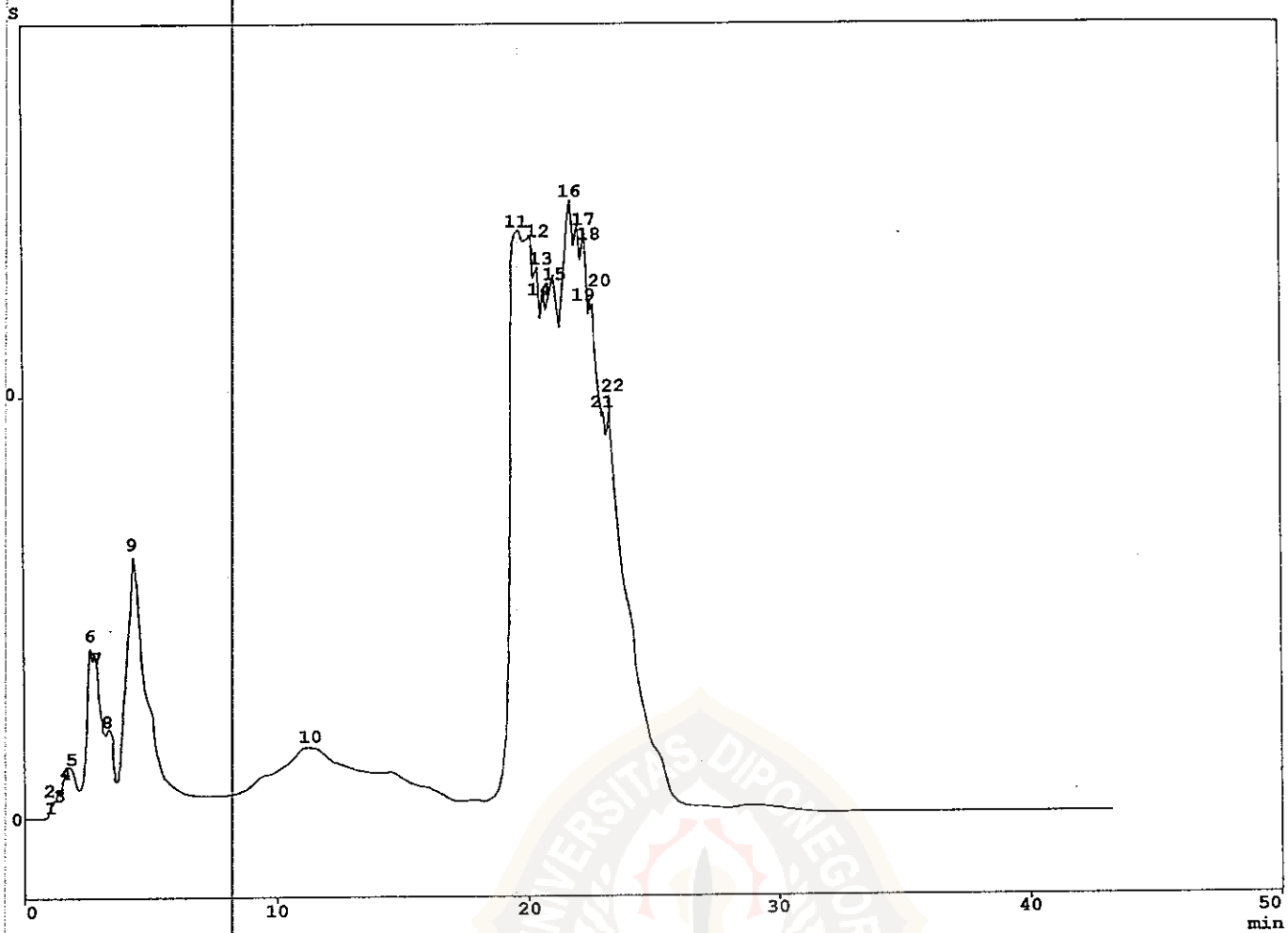


Peak Report \*\*\*

NO	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
	1.089	30514	4091			0.1781	
	1.350	37582	5886			0.2208	
	4.372	108132969	106812			99.6011	
						108201065	116789
						100.0000	

: sampel  
 : rabu, 21-9-05  
 : Unknown  
 or : SPD-10AV Single  
 or : pur  
 Filename: UNDIP.MET

romatogram \*\*\*

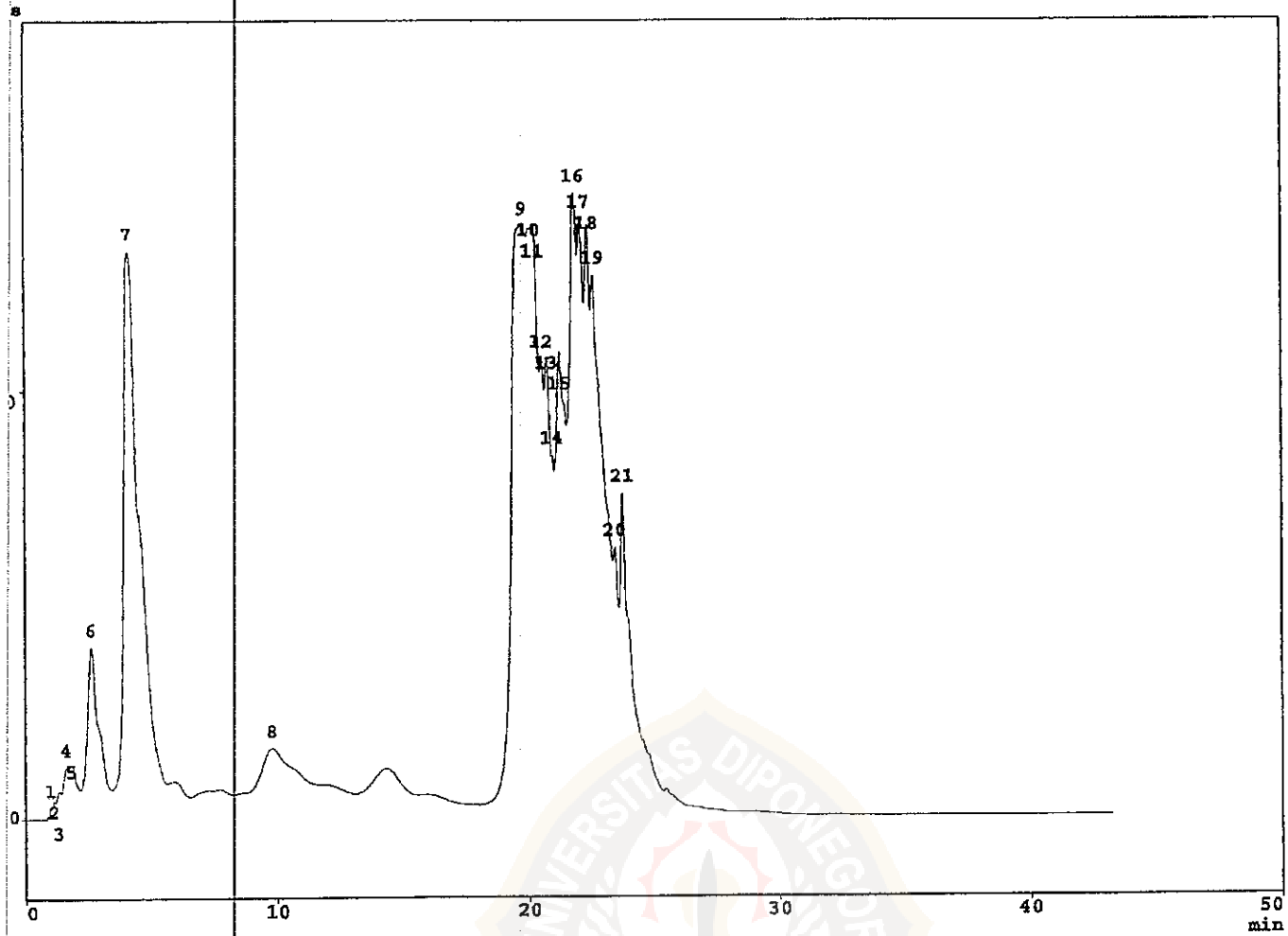


Peak Report \*\*\*

TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1.072	266524	42914			0.0387	
1.272	647871	70346			0.0722	
1.353	1210347	72787			0.1610	
1.608	2388551	203671			0.4316	
1.956	4217980	212394			0.5593	
2.512	12346631	692284			3.1155	
3.452	12564980	609463			4.1061	
3.676	11875625	221136			1.9668	
4.381	13306370	1009463			7.0124	
12.042	22660317	184145			2.1273	
20.135	108911030	2873661			14.6014	
20.278	23952624	2033744			3.8765	
20.383	30431946	2059876			5.9001	
20.437	20122210	1479887			2.5532	
20.693	56878142	2186635			6.6114	
22.078	59563781	2750103			7.8773	
22.186	50013896	2758760			6.3140	
22.224	41532729	2780171			5.3178	
23.297	26375663	1493224			3.8446	
23.554	98976215	2563807			12.8419	
23.973	45372729	1621109			5.4736	
24.134	54389004	1438706			5.1973	
698004765		116789			100.0000	

: Spike  
 : rabu, 21-9-05  
 : Unknown  
 or : SPD-10AV Single  
 or : pur  
 Filename: UNDIP.MET

romatogram \*\*\*



Peak Report \*\*\*

TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
0.983	264452	40210			0.0355	
1.117	536241	67804			0.0720	
1.328	1200451	107853			0.1612	
1.608	3362709	208260			0.4516	
1.809	4015863	211381			0.5393	
2.636	23222076	744756			3.1187	
4.117	113708913	2536394			14.5222	
9.787	12734651	184236			1.7103	
19.739	102616815	2669340			13.7814	
20.042	29128489	2657805			3.9120	
20.180	48741901	2677892			6.5460	
20.521	23952624	2050373			3.2168	
20.738	30034180	2059876			4.0336	
20.933	10988994	1598070			1.4758	
21.229	56898197	2083064			7.6414	
21.814	59340408	2812462			7.9694	
22.037	41943709	2693235			5.6330	
22.359	39596693	2665515			5.3178	
22.578	89173778	2430143			11.9760	
23.441	15198834	1157718			2.0412	
23.749	43518951	1412271			5.8446	
750178928		33068657			100.0000	

## Lampiran C

**Perhitungan Kadar Recovery**

1. Standar asam tanat = 0,5 mg dilarutkan dalam 1 ml metanol-air (7:3)

$$= 500 \mu\text{g/ml} = 500 \text{ ppm}$$

$$\text{Injeksi } 20 \mu\text{l} = \frac{20 \mu\text{l}}{1000 \mu\text{l}} \times 0,5 \text{ mg} = 0,01 \text{ mg} = 10 \mu\text{g}$$

	Luas area peak
Standar asam tanat	108132969
Sampel	13306370
Spike	113708913

2. Sampel = 5 mg ekstrak aseton-air dilarutkan dengan pelarut methanol-air 7:3

dalam labu takar 10 ml

$$= 500 \text{ ppm}$$

Kadar asam tanat dalam sampel :

$$\frac{\text{luas area sampel}}{\text{luas area standar}} \times 10 \mu\text{g}$$

$$= \frac{13306370}{108132969} \times 10 \mu\text{g}$$

$$= 1,230556242 \mu\text{g}/20 \mu\text{l injek dari 10 ml labu takar}$$

$$= \frac{10000 \mu\text{l}}{20 \mu\text{l}} \times 1,230556242 \mu\text{g}$$

$$= 615,278121 \mu\text{g}$$

3. Spike = 5 mg ekstrak aseton-air ditambah 5 mg standar asam tanat dilarutkan dengan pelarut methanol-air 7:3 dalam labu takar 10 ml.

Kadar asam tanat dalam spike :

$$\frac{\text{luas area spike}}{\text{luas area standar}} \times 10 \mu\text{g}$$

$$= \frac{113708913}{108132969} \times 10 \mu\text{g}$$

$$= 10,51565624 \mu\text{g}/20 \mu\text{l injek dari 10 ml labu takar}$$

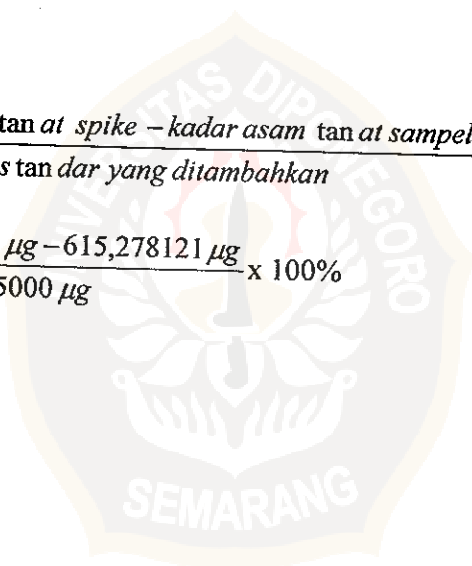
$$= \frac{10.000 \mu\text{l}}{20 \mu\text{l}} \times 10,51565624 \mu\text{g}$$

$$= 5257,828121 \mu\text{g}$$

$$\text{Recovery} = \frac{\text{kadar asam tanat spike} - \text{kadar asam tanat sampel}}{\text{standar yang ditambahkan}} \times 100\%$$

$$= \frac{5257,828121 \mu\text{g} - 615,278121 \mu\text{g}}{5000 \mu\text{g}} \times 100\%$$

$$= 92,851\%$$



## Lampiran D

## SKEMA KERJA

