

DAFTAR PUSTAKA

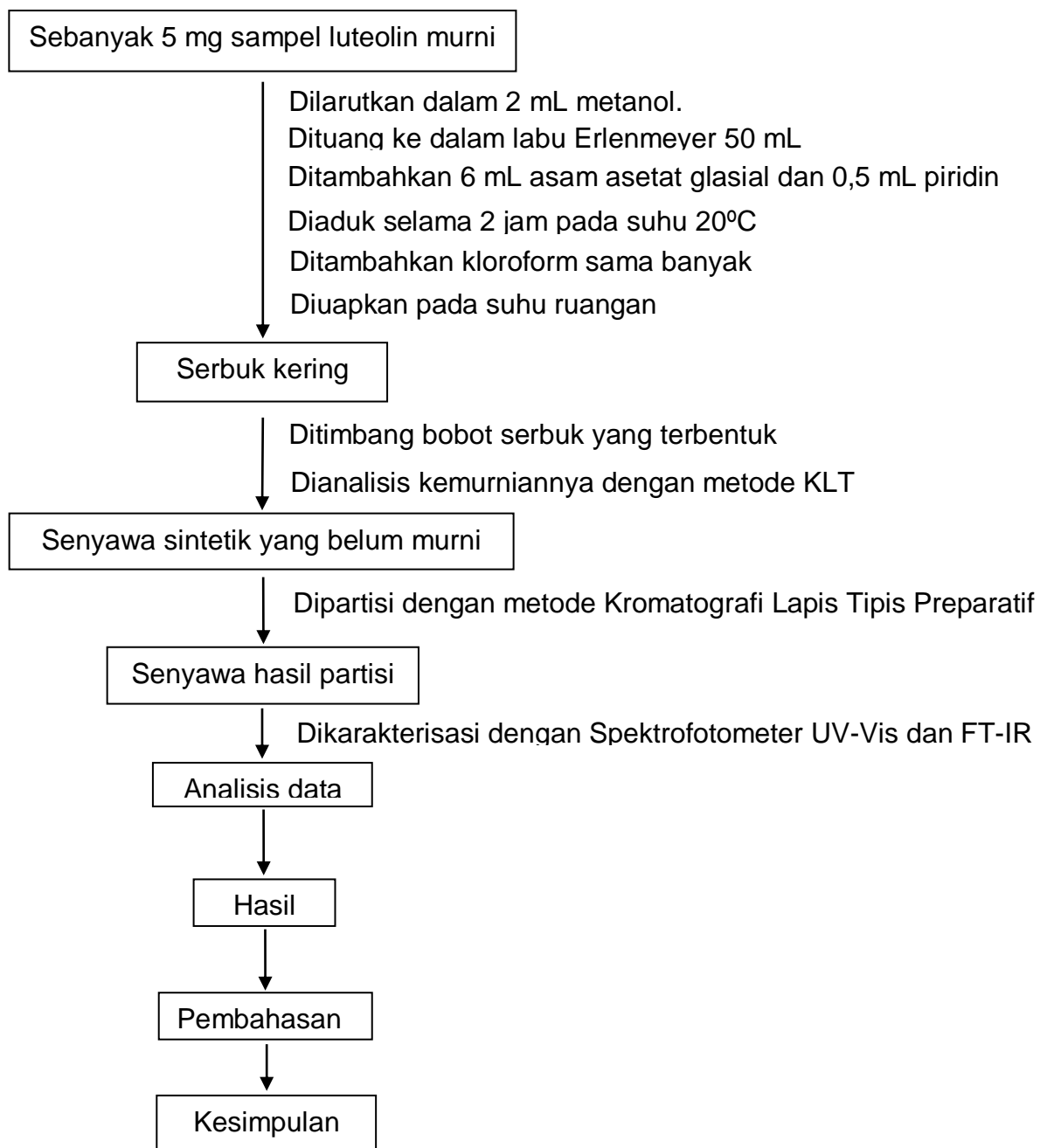
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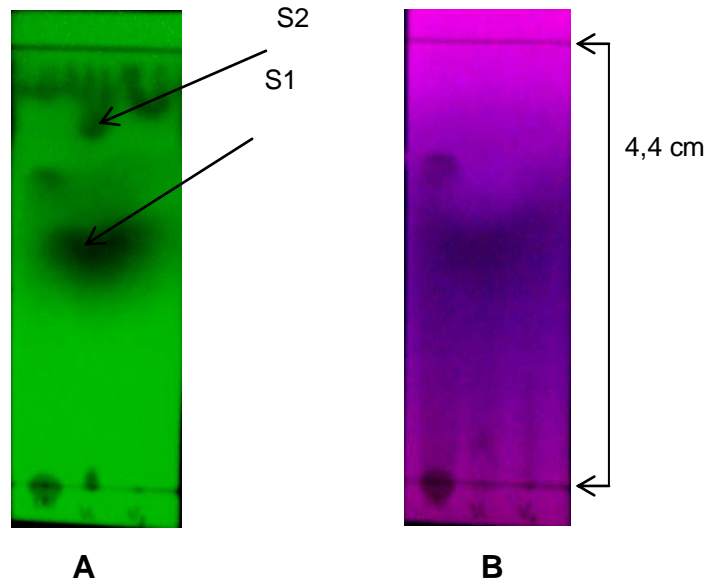
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LAMPIRAN I

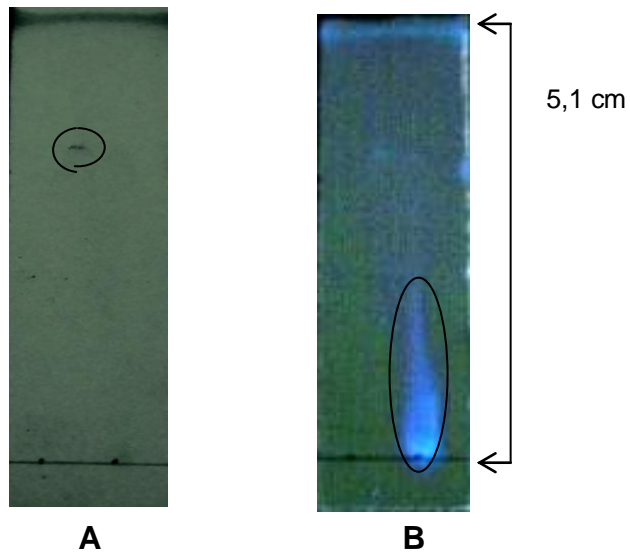
Skema Kerja Sintesis derivat luteolin



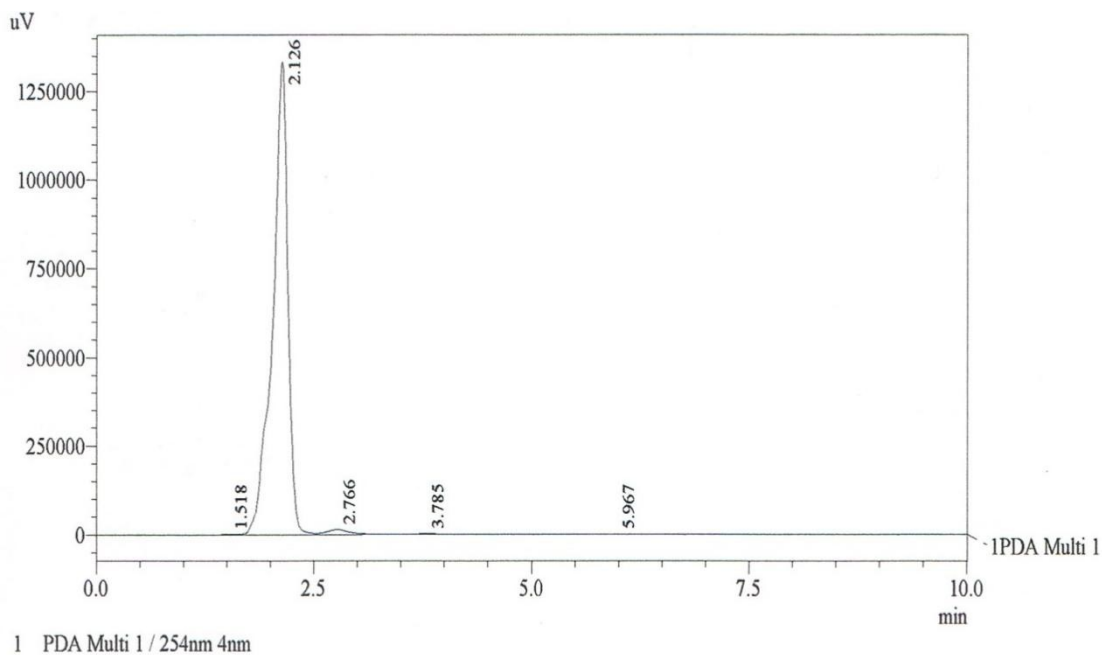
LAMPIRAN II
Gambar dan Tabel Hasil Penelitian



Gambar 3. Profil Kromatogram Hasil Sintesis Senyawa Derivat Luteolin (Senyawa 3',4'-Diasetil-5,7-Dihidroksiflavin). Fase diam silika gel dan fase gerak heksan-etil asetat (1:3), A : visualisasi dengan UV 254 nm dan B : Visualisasi dengan UV 366 nm. Rf SM=0,72; Rf S1=0,57; Rf S2=0,87



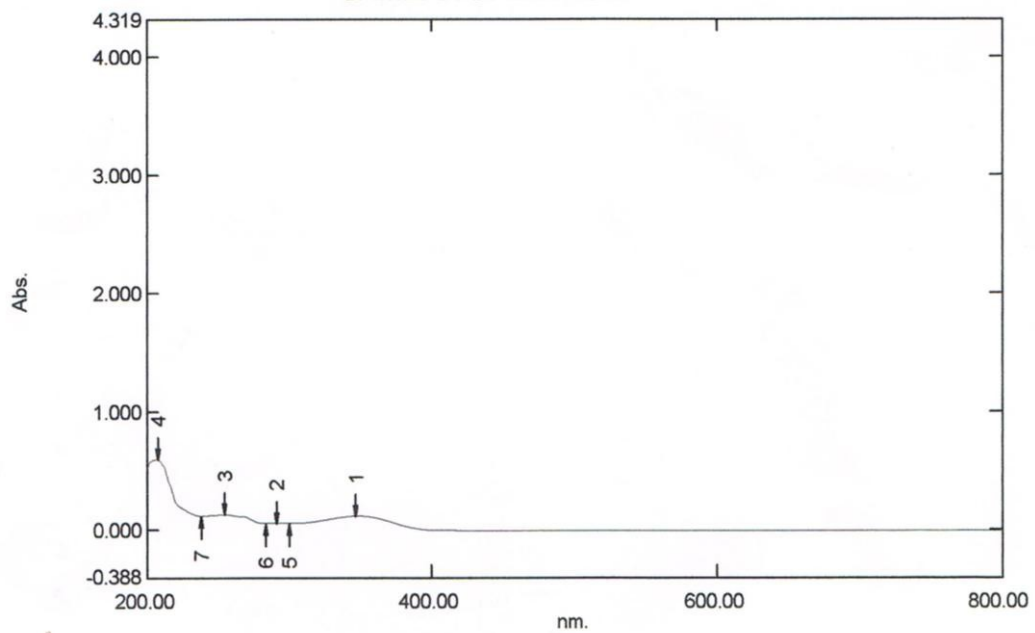
Gambar 4. Profil Kromatogram Hasil Separasi Senyawa Derivat Luteolin (Senyawa 3',4'-Diasetil-5,7-Dihidroksiflavin). Fase diam silika gel dan fase gerak heksan-etilasetat-metanol (3:1:1), A : visualisasi dengan UV 254 nm, B : Visualisasi dengan UV 366 nm. Rf A = 0,7 ; Rf B = 0,14.



Gambar 5. Spektra UFLC Senyawa Hasil Sintesis

ID#	Name	Ret. Time	Area	Height	Conc.
1	RT1.518	1.518	7652	1661	0.000
2	RT2.126	2.126	16267271	1333689	0.000
3	RT2.766	2.766	279754	14848	0.000
4	RT3.785	3.785	46986	2892	0.000
5	RT5.967	5.967	8036	304	0.000

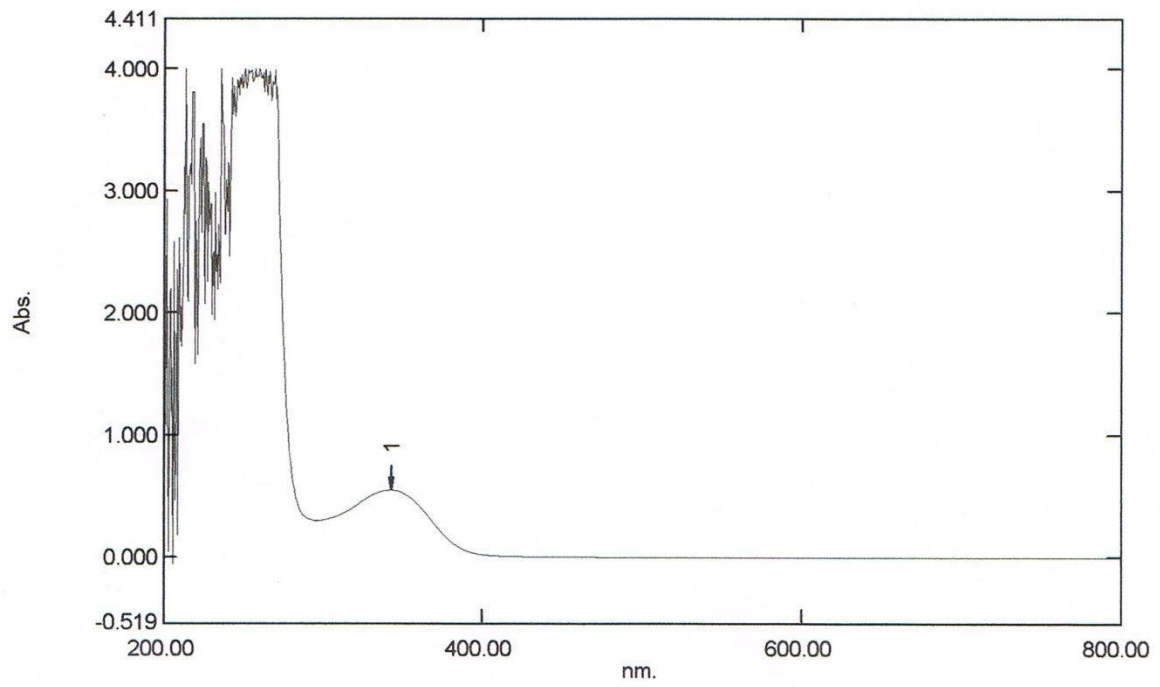
Tabel 5. Data Spektra UFLC Senyawa Hasil Sintesis



Gambar 6. Spektra UV-Vis Luteolin Murni

No.	P/V	Wavelength	Abs.	Description
1	↑	347.00	0.116	
2	↑	291.50	0.057	
3	↑	254.00	0.129	
4	↑	207.00	0.600	
5	↓	299.50	0.055	
6	↓	283.00	0.055	
7	↓	238.50	0.117	

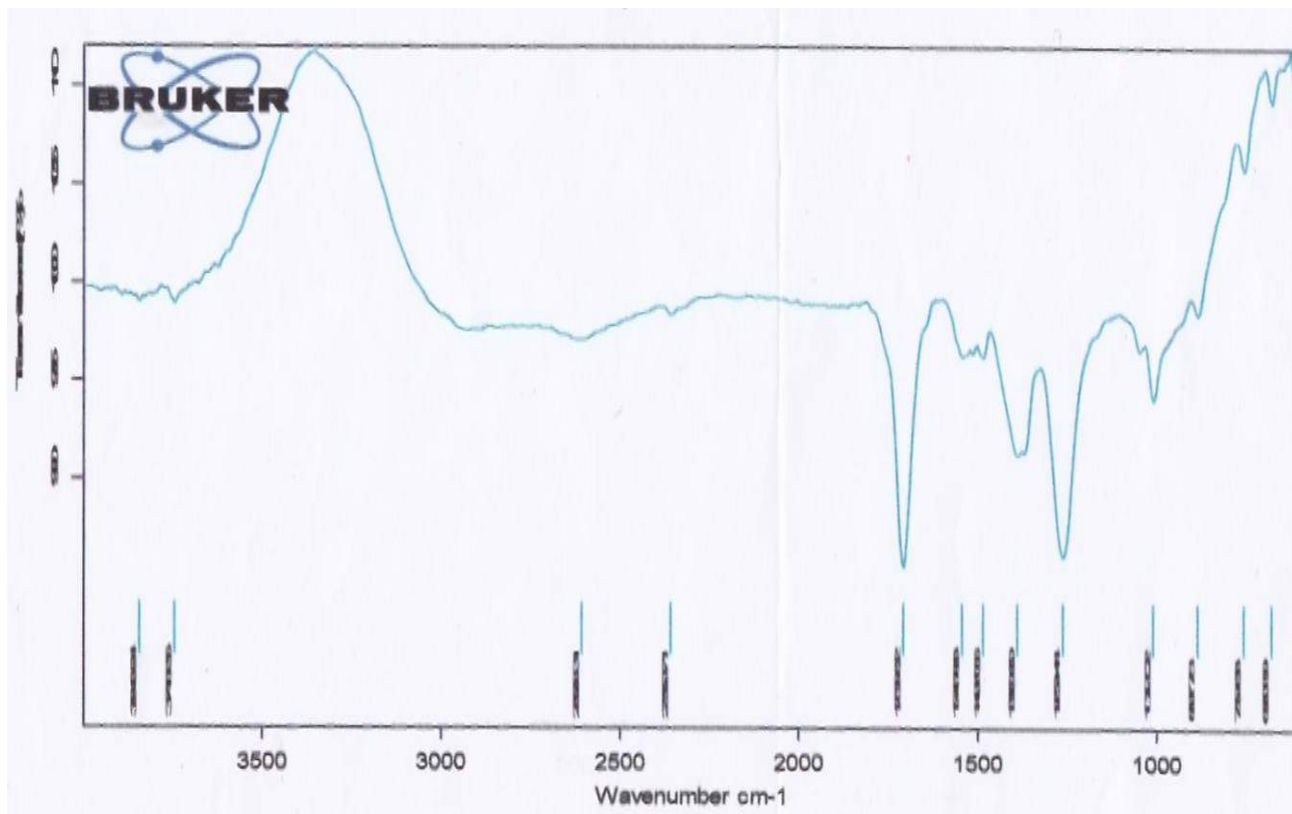
Tabel 6. Data Spektra UV-Vis Luteolin Murni



Gambar 7. Spektra UV-Vis Senyawa Hasil Sintesis

No.	P/V	Wavelength	Abs.	Description
1	⬆	342.50	0.554	

Tabel 7. Data Spektra UV-Vis Senyawa Hasil Sintesis



Gambar 8. Spektra FT-IR Senyawa Hasil Sintesis

Bilangan Gelombang (cm ⁻¹)	Kemungkinan Gugus Fungsi
3844	C-H (siklik)
3746	C-H (siklik)
2608	Dimer -COOH (aromatik)
2360	N-H (tersier)
1710	C=O (karbonil)
1546	C=C (aromatik)
1487	C=C (aromatik)
1391	C-H (metil)
1263	C-O (terkonjugasi)
1012	C-O (terkonjugasi)
888	N-H
759	N-H
681	N-H

Tabel 8. Data Spektra FT-IR Senyawa Hasil Sintesis