

## DAFTAR PUSTAKA

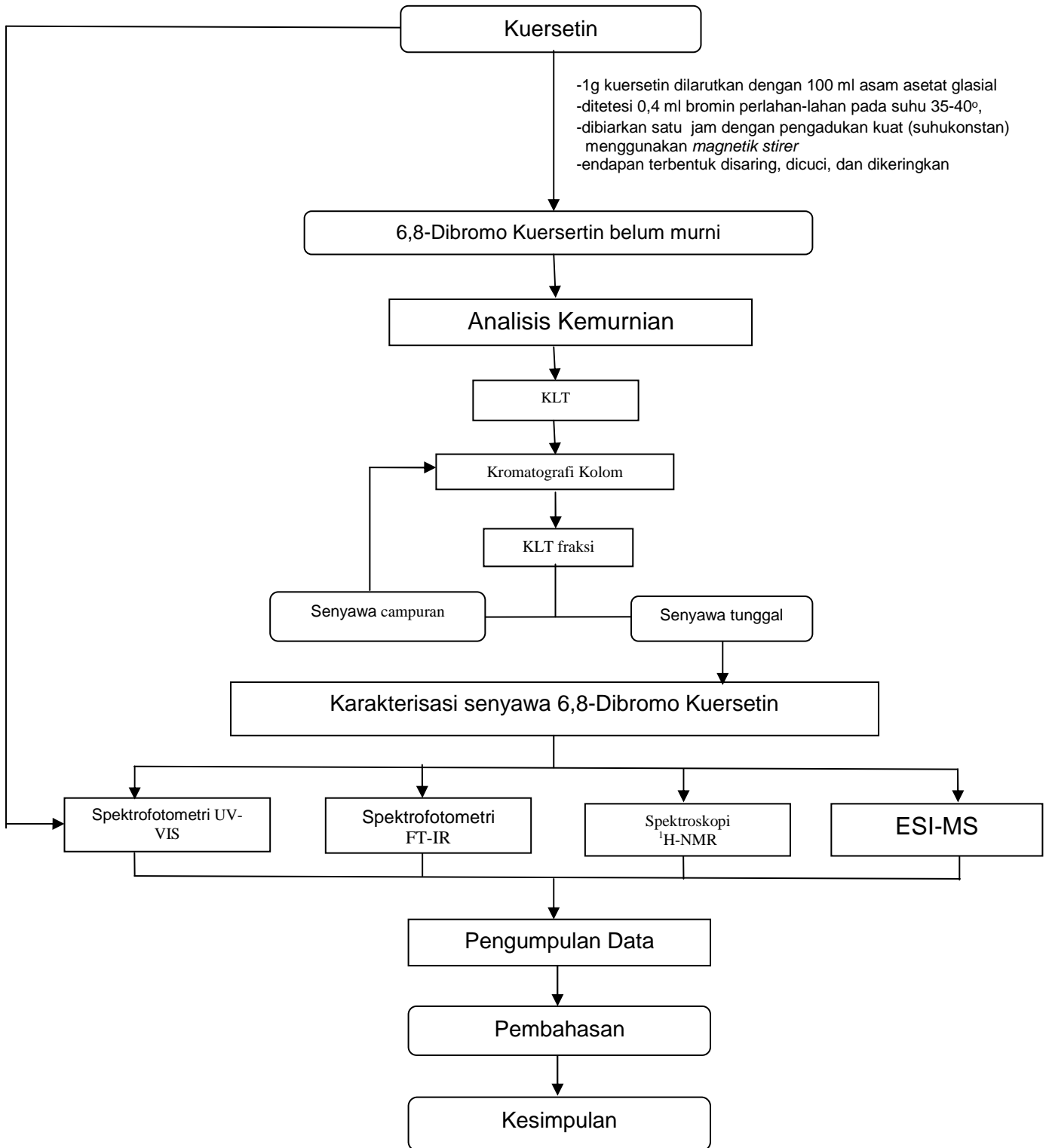
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## LAMPIRAN I

### SKEMA KERJA



## LAMPIRAN II

### PERHITUNGAN RENDEMEN SENYAWA 6,8-DIBROMO KUERSETIN

$$\text{Bobot Kuersetin (starting material)} = 1,507 \text{ g}$$

$$\text{Massa Molekul Relatif (Mr) Kuersetin} = 302,236 \text{ g/mol}$$

$$\text{Mol Kuersetin} = \frac{\text{Bobot Kuersetin}}{\text{Mr Kuersetin}}$$

$$= \frac{1,507 \text{ g}}{302,236 \text{ g/mol}}$$

$$= 0,00498 \text{ mol}$$

Satu mol kuersetin setara dengan satu mol 6,8-dibromo kuersetin

$$\text{Massa Molekul Relatif (Mr) 6,8-Dibromo Kuersetin} = 460,04 \text{ g/mol}$$

$$\text{Bobot teori 6,8-dibromo kuersetin} = \text{Mr 6,8-dibromo kuersetin} \times \text{mol kuersetin}$$

$$= 460,04 \text{ g/mol} \times 0,00498 \text{ mol}$$

$$= 2,291 \text{ g}$$

$$\text{Bobot praktek 6,8-dibromo kuersetin} = 0,744 \text{ g}$$

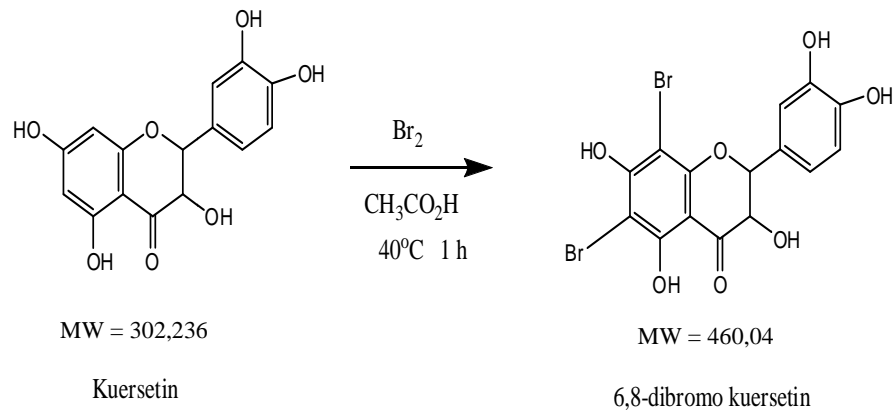
$$\text{Rendemen (\%) 6,8-dibromo kuersetin} = \frac{\text{Bobot praktek}}{\text{Bobot teori}} \times 100\%$$

$$= \frac{0,744 \text{ g}}{2,291 \text{ g}} \times 100 \%$$

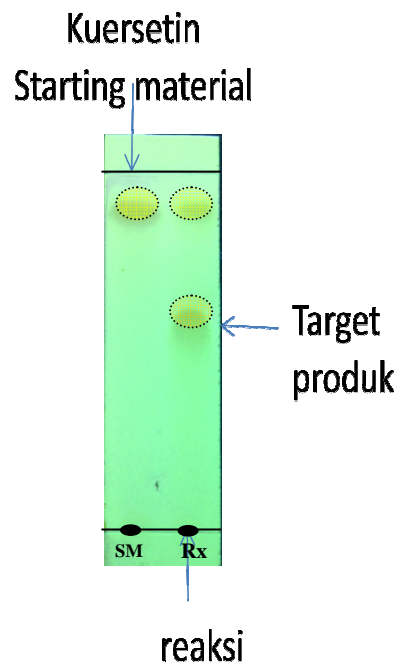
$$= 32,47 \%$$

### LAMPIRAN III

### GAMBAR HASIL PENELITIAN



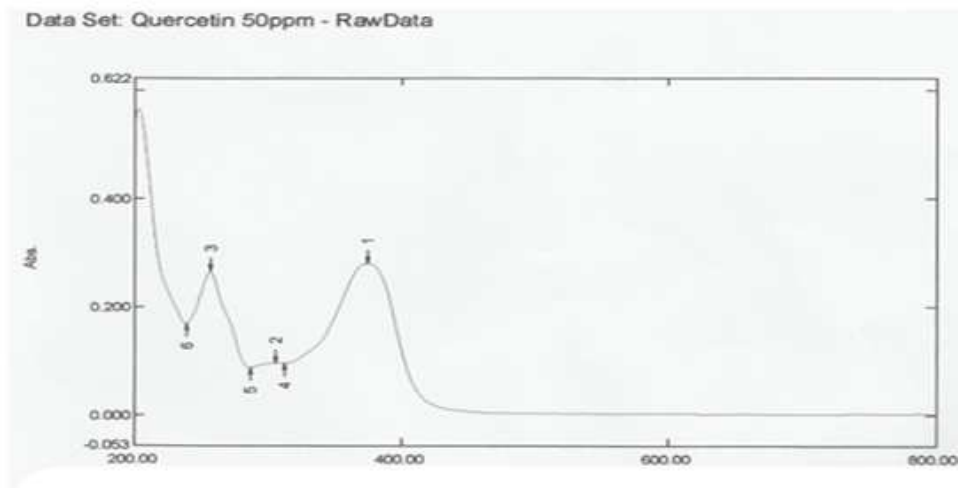
Gambar 1. Reaksi Sintesis Senyawa 6,8-Dibromo Kuersetin



Gambar 2. Kromatogram Senyawa Hasil Sintesis

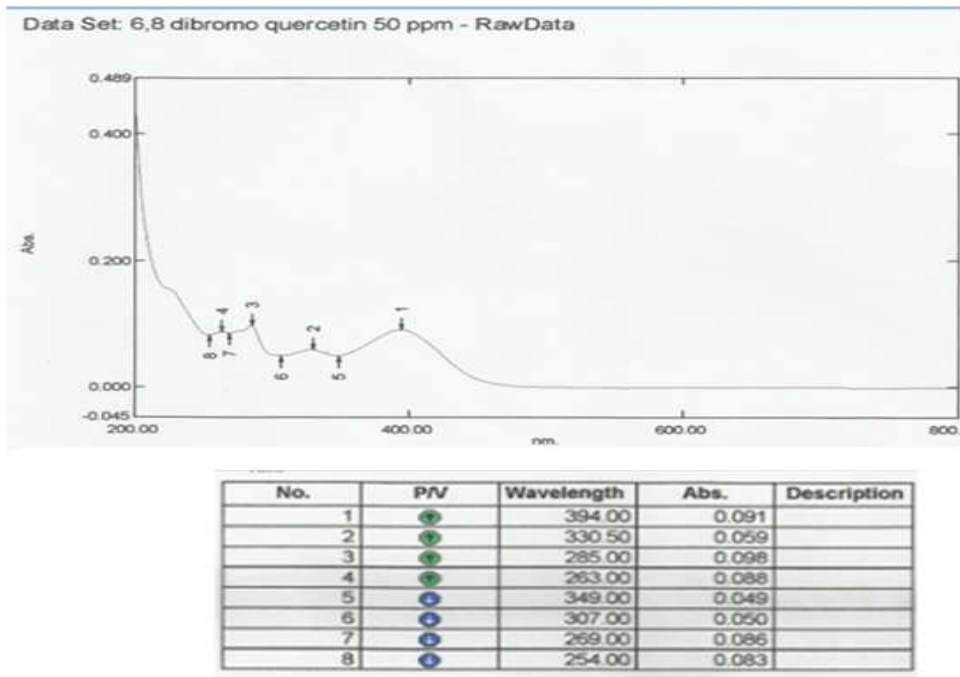


Gambar 3. Kromatogram Senyawa Sintetik Murni

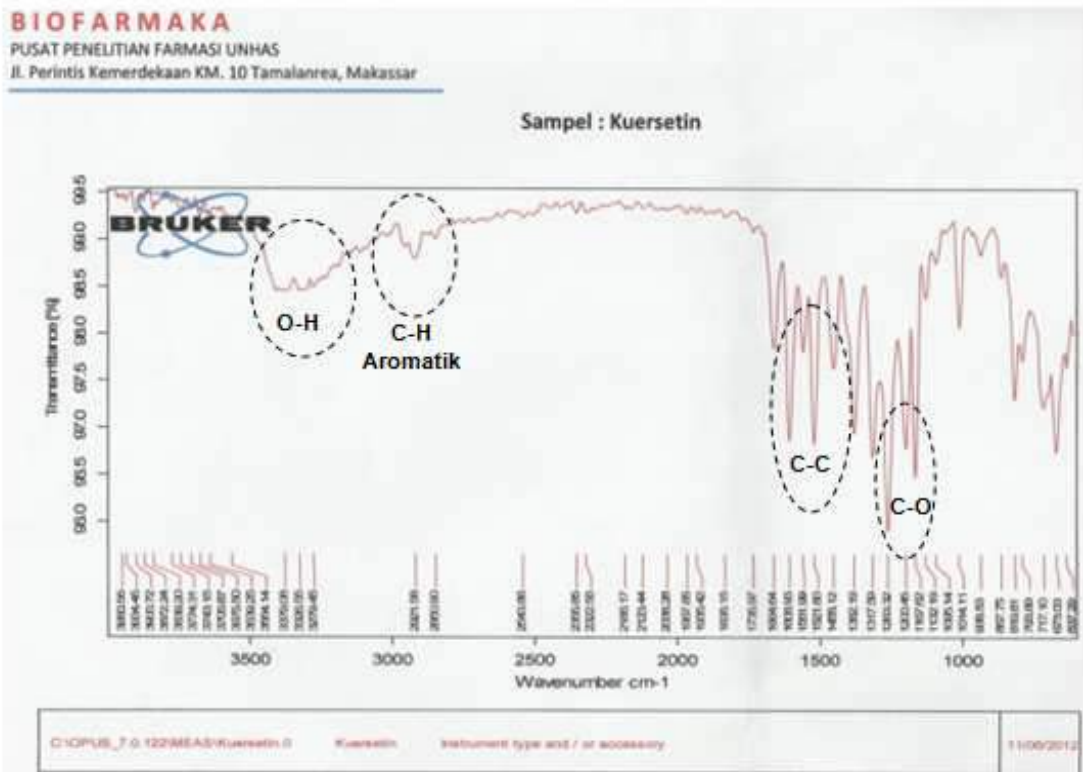


No.	PV	Wavelength	Abs.	Description
1	●	374.50	0.280	
2	●	305.00	0.097	
3	●	256.50	0.266	
4	●	312.50	0.096	
5	●	286.50	0.089	
6	●	238.50	0.170	

Gambar 4. Spektra UV-Vis Senyawa Kuersetin

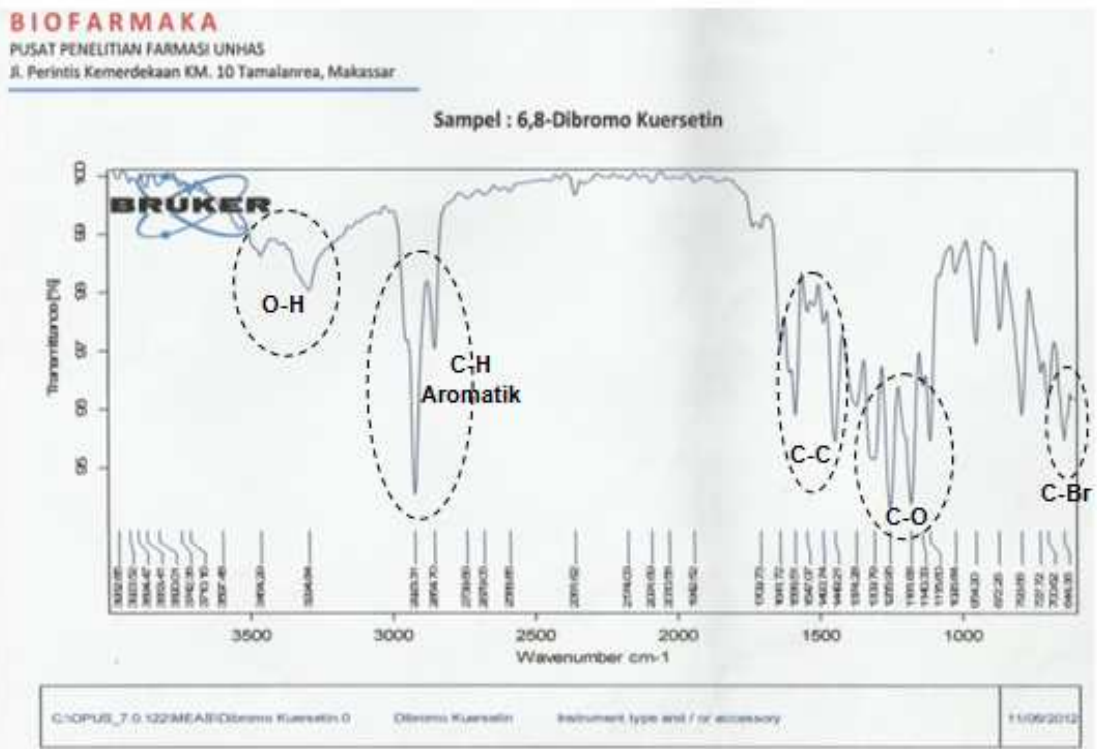


Gambar 5. Spektra UV-Vis Senyawa 6,8-Dibromo Kuersetin

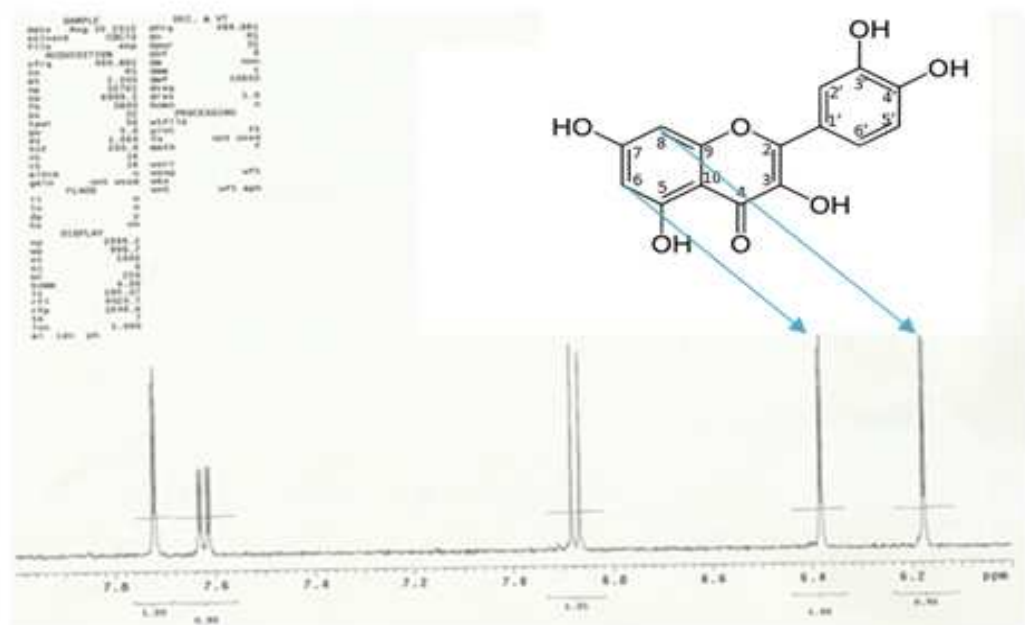


Gambar 6. Spektra IR Senyawa Kuersetin

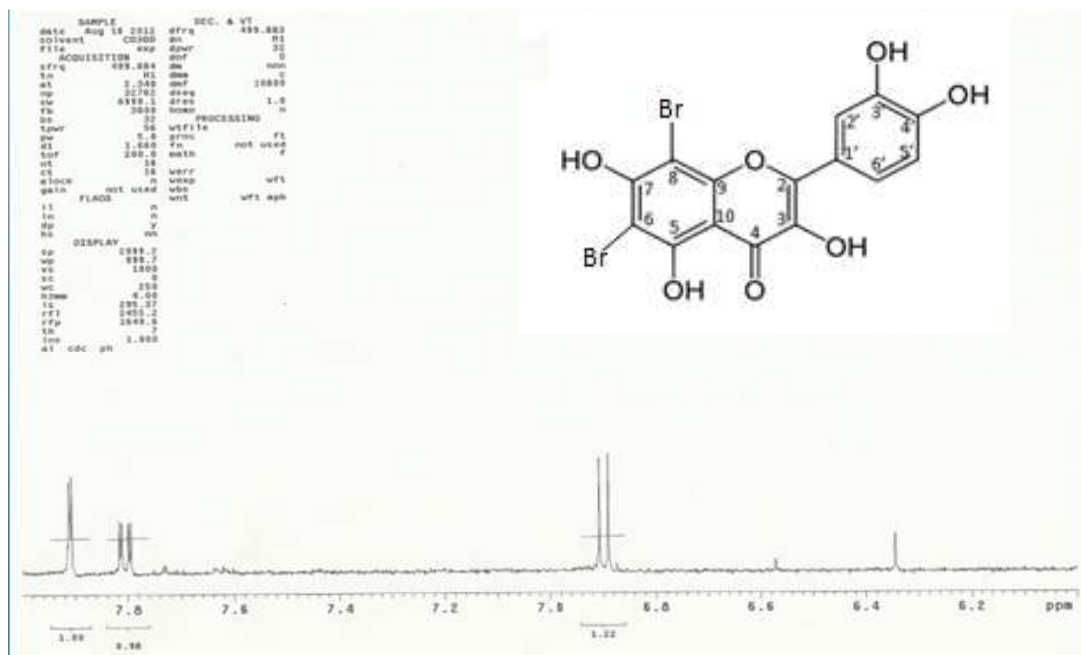




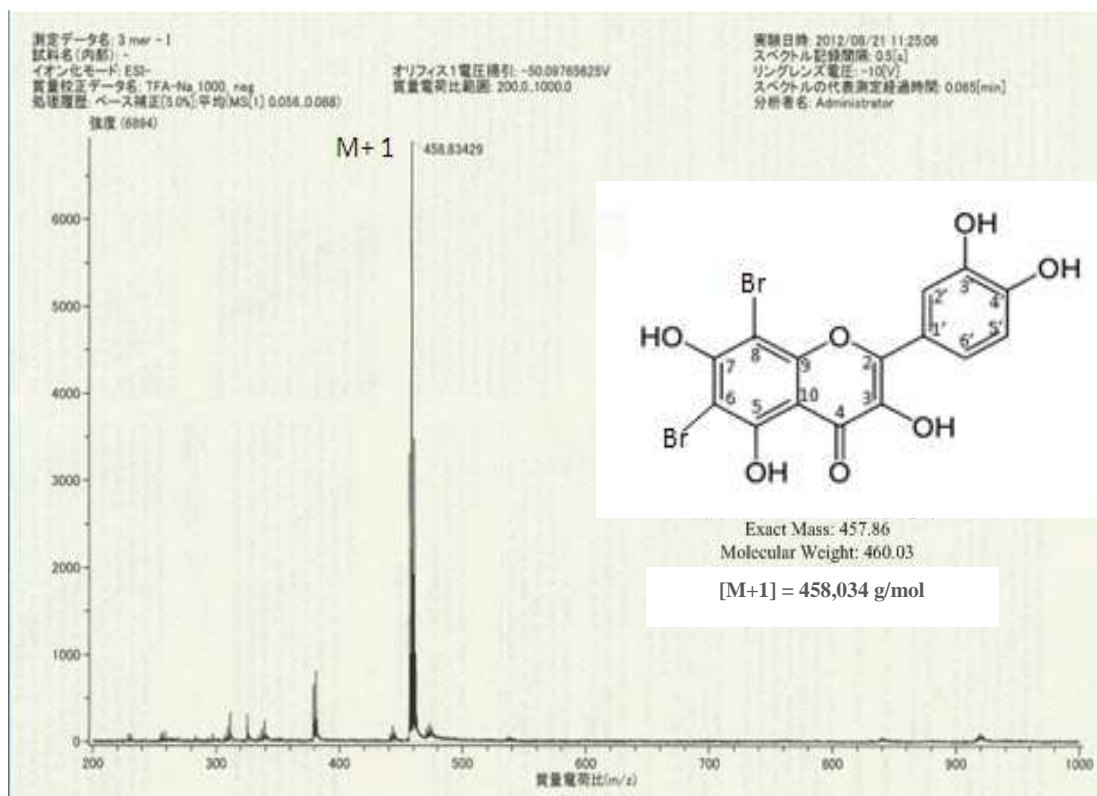
Gambar 7. Spektra IR Senyawa 6,8-Dibromo Kuersetin



Gambar 8. Spektra <sup>1</sup>H-NMR Senyawa Kuersetin



Gambar 9. Spektra  $^1\text{H-NMR}$  Senyawa 6,8-Dibromo Kueretin



Gambar 10. Spektra ESI-MS Senyawa 6,8-Dibromo Kueretin

**LAMPIRAN IV**  
**GAMBAR SENYAWA KUERSETIN DAN 6,8-DIBROMO KUERSETIN**



Gambar 11. Senyawa Kuersetin

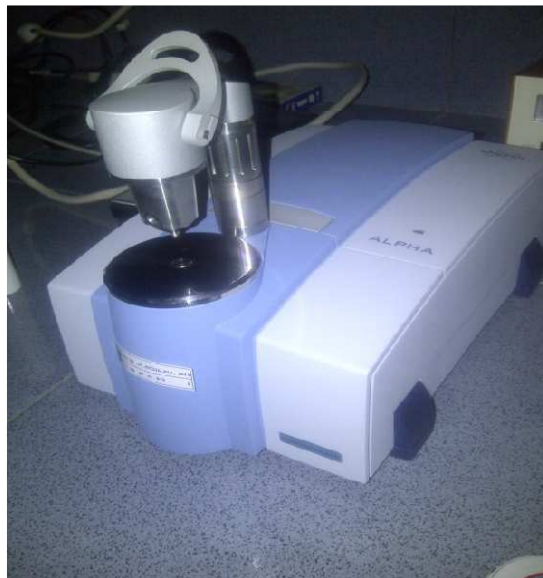


Gambar 12. Senyawa 6,8-Dibromo Kuersetin

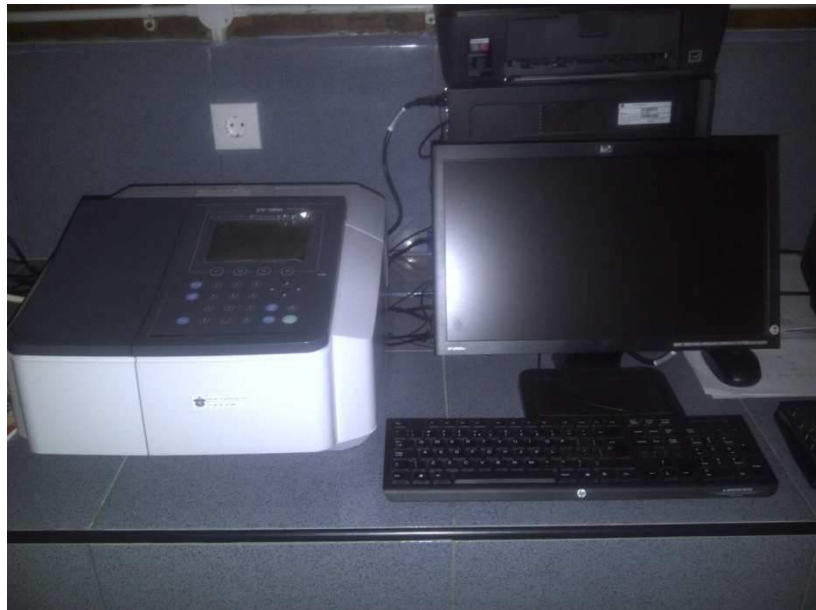
**LAMPIRAN V**  
**GAMBAR INSTRUMEN**



Gambar 13. Instrumen Kromatografi Kolom



Gambar 14. Instrumen Spektrofotometer FT-IR



Gambar 15. Instrumen Spektrofotometer UV-VIS



Gambar 16. Instrumen Spektroskopi  $^1\text{H}$ -NMR



Gambar 17. Instrumen Spektroskopi ESI-MS