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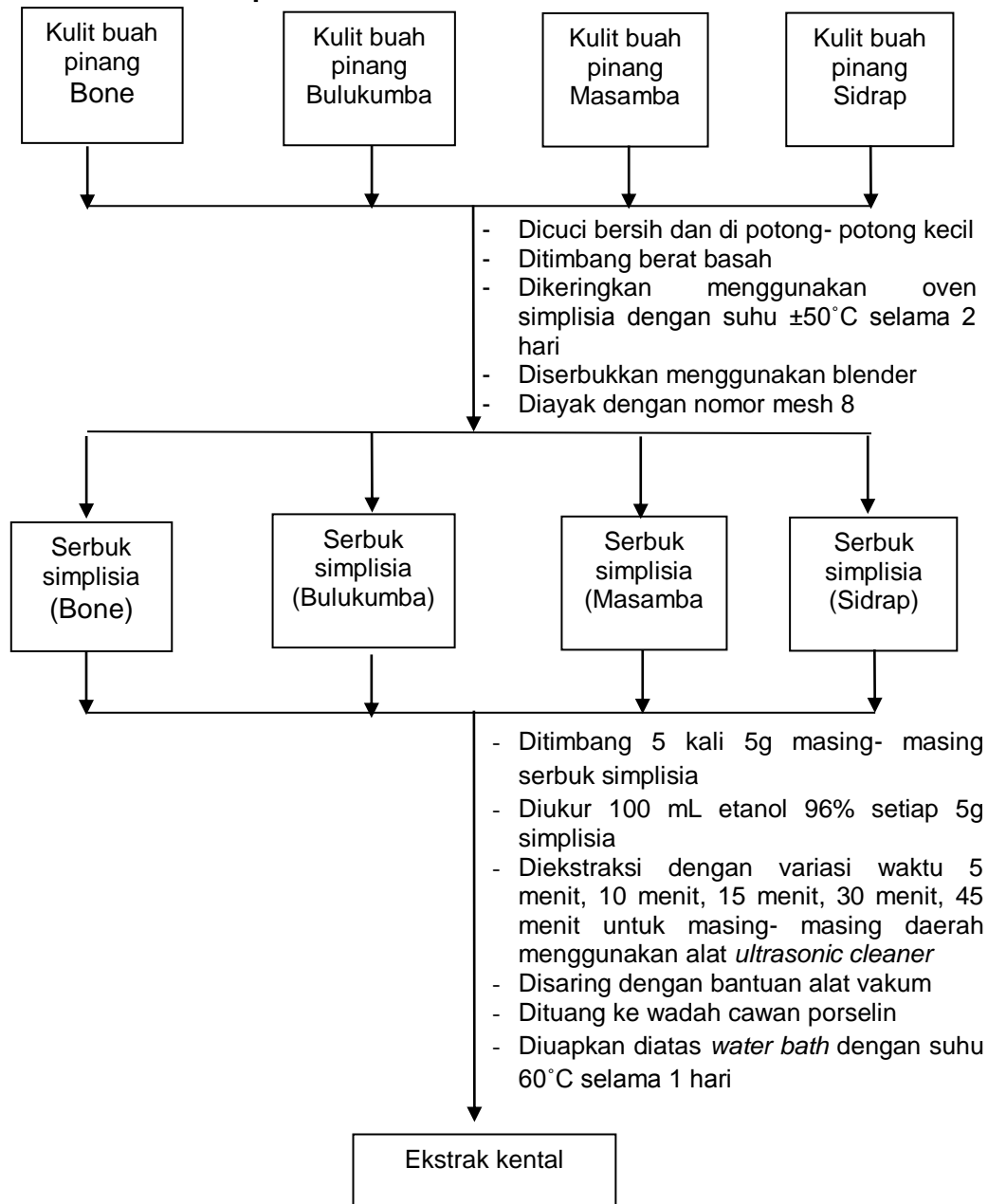
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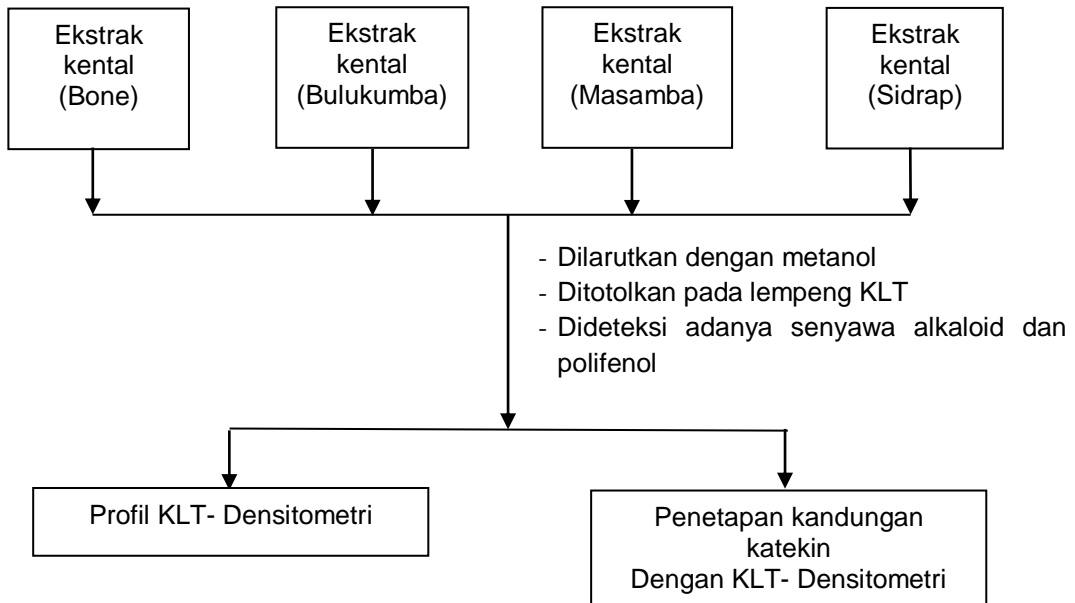
LAMPIRAN

Lampiran 1. Skema Kerja

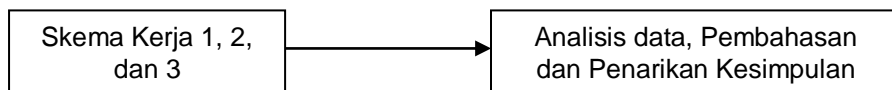
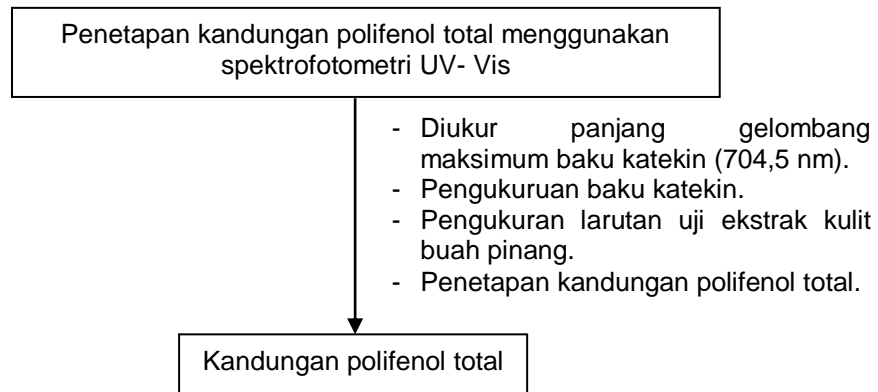
1. Ekstraksi Sampel



2. Analisis KLT- Densitometri



3. Penetapan Kandungan Polifenol Total dengan Spektrofotometri UV- Vis



Lampiran 2. Daftar Gambar



Gambar 11. Buah pinang



Gambar 12. Kulit buah pinang



Gambar 16. proses pengeringan



Gambar 15. Penimbangan ekstrak kering



Gambar 14. proses ekstraksi



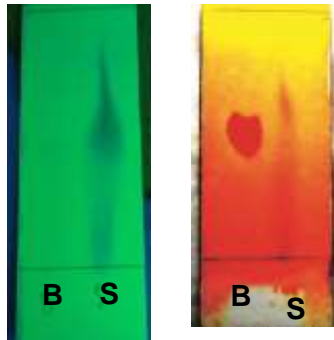
Gambar 13. Proses penyaringan



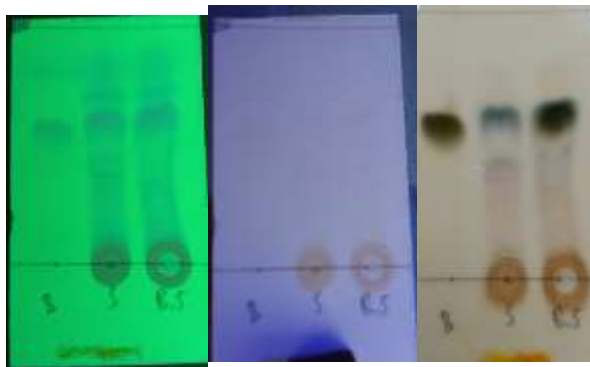
Gambar 18. Proses penguapan diatas *water bath*



Gambar 19. Ekstrak kering



Gambar 17. Identifikasi Senyawa alkaloid



Gambar 20. Identifikasi senyawa polifenol



Gambar 21. Preparasi sampel pengukuran kandungan



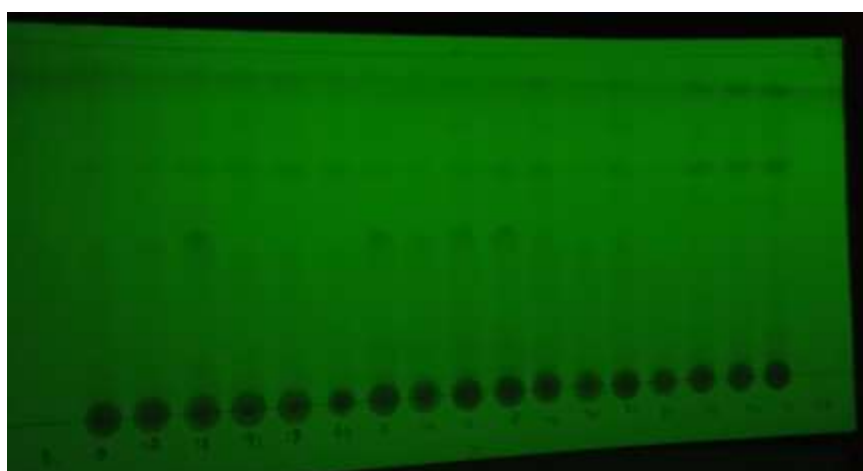
Gambar 22. Alat Spektrofotometer UV-Vis



Gambar 24. Proses Elusi



Gambar 23. Alat TLC Scanner



Gambar 25. Hasil KLT untuk densitometri

Lampiran 3. Hasil Pengukuran Absorbansi Total Polifenol Ekstrak Kulit Buah Pinang Dari Beberapa Daerah Menggunakan Spektrofotometer Uv-Vis

LAMA EKSTRAKSI		BONE		BULUKUMBA		SIDRAP		MASAMBA	
5 menit	R1	0,243	0,239	0,411	0,385	0,120	0,136	0,249	0,270
	R2	0,247		0,379		0,136		0,296	
	R3	0,227		0,364		0,152		0,266	
10 menit	R1	0,225	0,231	0,221	0,225	0,200	0,214	0,294	0,295
	R2	0,211		0,221		0,229		0,282	
	R3	0,258		0,233		0,213		0,308	
15 menit	R1	0,269	0,271	0,273	0,265	0,201	0,168	0,317	0,334
	R2	0,282		0,262		0,147		0,343	
	R3	0,261		0,255		0,157		0,342	
30 menit	R1	0,208	0,211	0,327	0,313	0,145	0,152	0,370	0,363
	R2	0,219		0,310		0,150		0,396	
	R3	0,206		0,301		0,160		0,382	
45 menit	R1	0,596	0,619	0,197	0,193	0,360	0,357	0,386	0,387
	R2	0,622		0,209		0,354		0,399	
	R3	0,640		0,172		0,356		0,377	

Lampiran 4. Hasil Pengukuran Kandungan Baku Katekin Menggunakan Densitometer

Katekin Standar					
Konsentrasi	100 ppm	200 ppm	300 ppm	400 ppm	500 ppm
Nilai Rf	0,31	0,39	0,41	0,42	0,43
Luas area	2238,63	4838,36	7739,13	10108,37	13777,78

Lampiran 5. Perhitungan Kandungan Polifenol Total Ekstrak Kulit Buah Pinang dari Beberapa Daerah Menggunakan Spektrofotometer Uv-Vis

y = absorban

x = konsentrasi senyawa terlarut ($\mu\text{g/mL}$)

v = total larutan pengenceran (mL)

fp = faktor pengenceran

g = jumlah ekstrak yang ditimbang (mg)

Persamaan regresi: $y = 0,00801x - 0,02199$

a. Daerah Bone

- 5 menit

$$y = 0,00801x - 0,02199$$

$$0,239 = 0,00801x - 0,02199$$

$$0,239 + 0,02199 = 0,00801x$$

$$x = \frac{0,26099}{0,00801}$$

$$x = 32,583 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{x \times v \times fp}{g}$$

$$\text{Faktor pengenceran} = \frac{\text{Total larutan pengenceran}}{\text{Jumlah sampel yang diencerkan}}$$

$$\text{Faktor pengenceran} = \frac{5 \text{ mL}}{3,5 \text{ mL}} = 1,429$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{32,583 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 15,520 \mu\text{g/mg} \end{aligned}$$

- 10 menit

$$y = 0,00801x - 0,02199$$

$$0,231 = 0,00801x - 0,02199$$

$$0,231 + 0,02199 = 0,00801x$$

$$x = \frac{0,25299}{0,00801}$$

$$x = 31,584 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{32,583 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 15,045 \mu\text{g/mg} \end{aligned}$$

- 15 menit

$$y = 0,00801x - 0,02199$$

$$0,271 = 0,00801x - 0,02199$$

$$0,271 + 0,02199 = 0,00801x$$

$$x = \frac{0,29299}{0,00801}$$

$$x = 36,578 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{36,578 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}}$$

$$= 17,423 \mu\text{g/mg}$$

- 30 menit

$$y = 0,00801x - 0,02199$$

$$0,211 = 0,00801x - 0,02199$$

$$0,211 + 0,02199 = 0,00801x$$

$$x = \frac{0,23299}{0,00801}$$

$$x = 29,087 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{29,087 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}}$$

$$= 13,855 \mu\text{g/mg}$$

- 45 menit

$$y = 0,00801x - 0,02199$$

$$0,619 = 0,00801x - 0,02199$$

$$0,619 + 0,02199 = 0,00801x$$

$$x = \frac{0,64099}{0,00801}$$

$$x = 80,023 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{80,023 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}}$$

$$= 38,118 \mu\text{g/mg}$$

b. Daerah Bulukumba

- 5 menit

$$y = 0,00801x - 0,02199$$

$$0,385 = 0,00801x - 0,02199$$

$$0,385 + 0,02199 = 0,00801x$$

$$x = \frac{0,40699}{0,00801}$$

$$x = 50,810 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{50,810 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}}$$

$$= 24,203 \mu\text{g/mg}$$

- 10 menit

$$y = 0,00801x - 0,02199$$

$$0,225 = 0,00801x - 0,02199$$

$$0,225 + 0,02199 = 0,00801x$$

$$x = \frac{0,24699}{0,00801}$$

$$x = 30,835 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{30,835 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}}$$

$$= 14,688 \mu\text{g/mg}$$

- 15 menit

$$y = 0,00801x - 0,02199$$

$$0,265 = 0,00801x - 0,02199$$

$$0,265 + 0,02199 = 0,00801x$$

$$x = \frac{0,18999}{0,00801}$$

$$x = 23,719 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{23,719 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}}$$

$$= 11,298 \mu\text{g/mg}$$

- 30 menit

$$y = 0,00801x - 0,02199$$

$$0,313 = 0,00801x - 0,02199$$

$$0,313 + 0,02199 = 0,00801x$$

$$x = \frac{0,17399}{0,00801}$$

$$x = 21,722 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{21,722 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}}$$

$$= 10,347 \mu\text{g/mg}$$

- 45 menit

$$y = 0,00801x - 0,02199$$

$$0,193 = 0,00801x - 0,02199$$

$$0,193 + 0,02199 = 0,00801x$$

$$x = \frac{0,21499}{0,00801}$$

$$x = 26,840 \mu\text{g/mL}$$

$$\text{Konsentrasi polifenol total} = \frac{26,840 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}}$$

$$= 12,785 \mu\text{g/mg}$$

c. Daerah Sidrap

- 5 menit

$$y = 0,00801x - 0,02199$$

$$0,136 = 0,00801x - 0,02199$$

$$0,136 + 0,02199 = 0,00801x$$

$$x = \frac{0,15799}{0,00801}$$

$$x = 19,724 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{19,724 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 9,395 \mu\text{g/mg} \end{aligned}$$

- 10 menit

$$\begin{aligned} y &= 0,00801x - 0,02199 \\ 0,214 &= 0,00801x - 0,02199 \\ 0,214 + 0,02199 &= 0,00801x \\ x &= \frac{0,23599}{0,00801} \end{aligned}$$

$$x = 29,462 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{29,462 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 14,034 \mu\text{g/mg} \end{aligned}$$

- 15 menit

$$\begin{aligned} y &= 0,00801x - 0,02199 \\ 0,168 &= 0,00801x - 0,02199 \\ 0,168 + 0,02199 &= 0,00801x \\ x &= \frac{0,18999}{0,00801} \end{aligned}$$

$$x = 23,719 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{23,719 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 11,298 \mu\text{g/mg} \end{aligned}$$

- 30 menit

$$\begin{aligned} y &= 0,00801x - 0,02199 \\ 0,152 &= 0,00801x - 0,02199 \\ 0,152 + 0,02199 &= 0,00801x \\ x &= \frac{0,17399}{0,00801} \end{aligned}$$

$$x = 21,722 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{21,722 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 10,347 \mu\text{g/mg} \end{aligned}$$

- 45 menit

$$\begin{aligned} y &= 0,00801x - 0,02199 \\ 0,357 &= 0,00801x - 0,02199 \\ 0,357 + 0,02199 &= 0,00801x \\ x &= \frac{0,37899}{0,00801} \end{aligned}$$

$$x = 47,315 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{47,315 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 22,538 \mu\text{g/mg} \end{aligned}$$

d. Daerah Masamba

- 5 menit

$$y = 0,00801x - 0,02199$$

$$0,270 = 0,00801x - 0,02199$$

$$0,270 + 0,02199 = 0,00801x$$

$$x = \frac{0,29199}{0,00801}$$

$$x = 36,453 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{36,453 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 17,364 \mu\text{g/mg} \end{aligned}$$

- 10 menit

$$y = 0,00801x - 0,02199$$

$$0,295 = 0,00801x - 0,02199$$

$$0,295 + 0,02199 = 0,00801x$$

$$x = \frac{0,31699}{0,00801}$$

$$x = 39,574 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{39,574 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 18,851 \mu\text{g/mg} \end{aligned}$$

- 15 menit

$$y = 0,00801x - 0,02199$$

$$0,334 = 0,00801x - 0,02199$$

$$0,334 + 0,02199 = 0,00801x$$

$$x = \frac{0,35599}{0,00801}$$

$$x = 44,443 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{44,443 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 21,170 \mu\text{g/mg} \end{aligned}$$

- 30 menit

$$y = 0,00801x - 0,02199$$

$$0,363 = 0,00801x - 0,02199$$

$$0,363 + 0,02199 = 0,00801x$$

$$x = \frac{0,38499}{0,00801}$$

$$x = 48,064 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{48,064 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 22,894 \mu\text{g/mg} \end{aligned}$$

- 45 menit

$$y = 0,00801x - 0,02199$$

$$0,387 = 0,00801x - 0,02199$$

$$0,387 + 0,02199 = 0,00801x$$

$$x = \frac{0,40899}{0,00801}$$

$$x = 51,060 \mu\text{g/mL}$$

$$\begin{aligned} \text{Konsentrasi polifenol total} &= \frac{51,060 \mu\text{g/mL} \times 5 \text{ mL} \times 1,429}{15 \text{ mg}} \\ &= 24,322 \mu\text{g/mg} \end{aligned}$$

Lampiran 6. Perhitungan Kandungan Katekin Ekstrak Kulit Buah Pinang dari Beberapa Daerah Menggunakan Densitometer

y = Luas area

x = konsentrasi senyawa terlarut ($\mu\text{g/mL}$)

v = volume larutan sampel (mL)

fp = faktor pengenceran

g = jumlah ekstrak yang ditimbang (mg)

$$\text{Faktor pengenceran} = \frac{1 \text{ mL}}{1 \text{ mL}} = 1$$

Persamaan regresi: $y = 28,348x - 764,04$

a. Daerah Bone

- 5 menit

$$y = 28,348x - 764,04$$

$$7726,87 = 28,348x - 764,04$$

$$7726,87 + 764,041 = 28,348x$$

$$x = \frac{8490,91}{28,348}$$

$$x = 299,524 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{x \times v \times fp}{g}$$

$$\text{Konsentrasi katekin} = \frac{299,524 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 5,990 \mu\text{g/mg}$$

- 10 menit

$$y = 28,348x - 764,04$$

$$4942,25 = 28,348x - 764,04$$

$$4942,25 + 764,041 = 28,348x$$

$$x = \frac{5706,29}{28,348}$$

$$x = 201,294 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{201,294 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 4,026 \mu\text{g/mg}$$

- 15 menit

$$y = 28,348x - 764,04$$

$$8271,24 = 28,348x - 764,04$$

$$8271,24 + 764,041 = 28,348x$$

$$x = \frac{9035,28}{28,348}$$

$$x = 318,727 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{318,727 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 6,374 \mu\text{g/mg}$$

- 30 menit

$$y = 28,348x - 764,04$$

$$12438,52 = 28,348x - 764,04$$

$$12438,52 + 764,041 = 28,348x$$

$$x = \frac{13202,56}{28,348}$$

$$x = 465,732 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{465,732 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{20 \text{ mg}}$$

$$= 23,287 \mu\text{g/mg}$$

- 45 menit

$$y = 28,348x - 764,04$$

$$13385,13 = 28,348x - 764,04$$

$$13385,13 + 764,041 = 28,348x$$

$$x = \frac{14149,17}{28,348}$$

$$x = 499,124 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{499,124 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{20 \text{ mg}}$$

$$= 24,956 \mu\text{g/mg}$$

b. Daerah Bulukumba

- 5 menit

$$y = 28,348x - 764,04$$

$$10128,48 = 28,348x - 764,04$$

$$10128,48 + 764,041 = 28,348x$$

$$x = \frac{10892,52}{28,348}$$

$$x = 384,243 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{384,243 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 7,685 \mu\text{g/mg}$$

- 10 menit

$$y = 28,348x - 764,04$$

$$4621,02 = 28,348x - 764,04$$

$$4621,02 + 764,041 = 28,348x$$

$$x = \frac{5385,06}{28,348}$$

$$x = 189,963 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{189,963 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 3,800 \mu\text{g/mg}$$

- 15 menit

$$y = 28,348x - 764,04$$

$$8313,92 = 28,348x - 764,04$$

$$8313,92 + 764,041 = 28,348x$$

$$x = \frac{9077,96}{28,348}$$

$$x = 320,233 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{320,233 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 6,405 \mu\text{g/mg}$$

- 30 menit

$$y = 28,348x - 764,04$$

$$9203,59 = 28,348x - 764,04$$

$$9203,59 + 764,041 = 28,348x$$

$$x = \frac{9967,63}{28,348}$$

$$x = 351,617 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{351,617 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 7,032 \mu\text{g/mg}$$

- 45 menit

$$y = 28,348x - 764,04$$

$$8867,95 = 28,348x - 764,04$$

$$8867,95 + 764,041 = 28,348x$$

$$x = \frac{9631,99}{28,348}$$

$$x = 339,777 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{339,777 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 6,795 \mu\text{g}/\text{mg}$$

c. Daerah Sidrap

- 5 menit

$$y = 28,348x - 764,04$$

$$7184,82 = 28,348x - 764,04$$

$$7184,82 + 764,041 = 28,348x$$

$$x = \frac{7948,861}{28,348}$$

$$x = 280,403 \mu\text{g}/\text{mL}$$

$$\text{Konsentrasi katekin} = \frac{280,403 \mu\text{g}/\text{mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 5,608 \mu\text{g}/\text{mg}$$

- 10 menit

$$y = 28,348x - 764,04$$

$$3737,1 = 28,348x - 764,04$$

$$3737,1 + 764,041 = 28,348x$$

$$x = \frac{4501,14}{28,348}$$

$$x = 158,782 \mu\text{g}/\text{mL}$$

$$\text{Konsentrasi katekin} = \frac{158,782 \mu\text{g}/\text{mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 3,176 \mu\text{g}/\text{mg}$$

- 15 menit

$$y = 28,348x - 764,04$$

$$7406,98 = 28,348x - 764,04$$

$$7406,98 + 764,041 = 28,348x$$

$$x = \frac{8171,02}{28,348}$$

$$x = 288,240 \mu\text{g}/\text{mL}$$

$$\text{Konsentrasi katekin} = \frac{288,240 \mu\text{g}/\text{mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 5,765 \mu\text{g}/\text{mg}$$

- 30 menit

$$y = 28,348x - 764,04$$

$$4912,97 = 28,348x - 764,04$$

$$4912,97 + 764,041 = 28,348x$$

$$x = \frac{5677,01}{28,348}$$

$$x = 200,261 \mu\text{g}/\text{mL}$$

$$\begin{aligned}\text{Konsentrasi katekin} &= \frac{200,261 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}} \\ &= 4,005 \mu\text{g/mg}\end{aligned}$$

- 45 menit

$$\begin{aligned}y &= 28,348x - 764,04 \\ 12788,33 &= 28,348x - 764,04 \\ 12788,33 + 764,041 &= 28,348x \\ x &= \frac{13552,37}{28,348} \\ x &= 478,071 \mu\text{g/mL}\end{aligned}$$

$$\begin{aligned}\text{Konsentrasi katekin} &= \frac{478,071 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}} \\ &= 9,561 \mu\text{g/mg}\end{aligned}$$

d. Daerah Masamba

- 5 menit

$$\begin{aligned}y &= 28,348x - 764,04 \\ 10354,32 &= 28,348x - 764,04 \\ 10354,32 + 764,041 &= 28,348x \\ x &= \frac{11118,36}{28,348} \\ x &= 392,210 \mu\text{g/mL}\end{aligned}$$

$$\begin{aligned}\text{Konsentrasi katekin} &= \frac{392,210 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}} \\ &= 7,844 \mu\text{g/mg}\end{aligned}$$

- 10 menit

$$\begin{aligned}y &= 28,348x - 764,04 \\ 13609,75 &= 28,348x - 764,04 \\ 13609,75 + 764,041 &= 28,348x \\ x &= \frac{14373,79}{28,348} \\ x &= 507,048 \mu\text{g/mL}\end{aligned}$$

$$\begin{aligned}\text{Konsentrasi katekin} &= \frac{507,048 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}} \\ &= 10,141 \mu\text{g/mg}\end{aligned}$$

- 15 menit

$$y = 28,348x - 764,04$$

$$12771,17 = 28,348x - 764,04$$

$$12771,17 + 764,041 = 28,348x$$

$$x = \frac{13535,21}{28,348}$$

$$x = 477,466 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{477,466 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 9,549 \mu\text{g/mg}$$

- 30 menit

$$y = 28,348x - 764,04$$

$$9620,07 = 28,348x - 764,04$$

$$9620,07 + 764,041 = 28,348x$$

$$x = \frac{10384,11}{28,348}$$

$$x = 366,308 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{366,308 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 7,326 \mu\text{g/mg}$$

- 45 menit

$$y = 28,348x - 764,04$$

$$5256,05 = 28,348x - 764,04$$

$$5256,05 + 764,041 = 28,348x$$

$$x = \frac{6020,09}{28,348}$$

$$x = 212,364 \mu\text{g/mL}$$

$$\text{Konsentrasi katekin} = \frac{212,364 \mu\text{g/mL} \times 1 \text{ mL} \times 1}{50 \text{ mg}}$$

$$= 4,247 \mu\text{g/mg}$$