

## LAMPIRAN

### Lampiran 1. Surat Determinasi



#### INSTITUT TEKNOLOGI BANDUNG SEKOLAH ILMU DAN TEKNOLOGI HAYATI

Gedung Labtek XI, Jalan Ganesa No.10, Bandung 40132, Telp.: +6222 2511575, Fax.: +6222 2534107  
e-mail: sith@itb.ac.id situs: www.sith.itb.ac.id

Nomor : 8947/IT1.C11.2/TA.00/2024  
Hal : Determinasi tumbuhan

05 Desember 2024

Yth. Dekan  
Fakultas Farmasi  
Universitas Bhakti Kencana  
Jl. Soekarno Hatta No. 754  
Bandung

Memperhatikan permintaan Saudara dalam surat No. 0892/03.S1-FF/UBK/XI/2024 tanggal 26 November 2024 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan pendeterminasian oleh staf kami, sampel tumbuhan yang dikirim oleh Indrawati Langu Wila (NIM: 231FF04008), yaitu:

| No | Nama sampel | Hasil determinasi                 | Famili    |
|----|-------------|-----------------------------------|-----------|
| 1  | Faloak      | <i>Sterculia quadrifida</i> R.Br. | Malvaceae |

#### Referensi:

1. Darojati, U. A., Murwanti, R., & Hertiani, T. (2022). *Sterculia quadrifida* R. Br.: a comprehensive review of ethnobotany, phytochemistry, pharmacology and toxicology. *J Pharm Sci*, 1, 1-14.
2. Lestari, N. (2019). Morphological and Anatomical Characteristic Kinship of Faloak Plant (*Sterculia quadrifida* R. Br) as Learning Source for Morphology and Anatomy of Plant Course Based on Local Natural Resources. In *4th Progressive and Fun Education International Conference (PFEIC 2019)* (pp. 72-75). Atlantis Press.
3. Lestari, N. (2020). Diversity and clustering analysis of *Sterculia quadrifida* R. Br from Kupang, East Nusa Tenggara, Indonesia based on morphological and anatomical characters. In *IOP Conference Series: Earth and Environmental Science* (Vol. 456, No. 1, p. 012069). IOP Publishing.

Demikian yang kami sampaikan. Atas perhatian dan kerjasama yang diberikan, kami ucapkan terima kasih.



Wakil Dekan Bidang Sumber Daya,

Angga Dwiartama, S.Si., M.Si., Ph.D.  
NIP. 198302052012121002

Tembusan:  
1. Dekan SITH ITB

Terakreditasi oleh:



## Lampiran 2. Perhitungan Rendemen Ekstrak

### a. Ekstrak Daun n-heksan

|                        |          |
|------------------------|----------|
| Bobot cawan kosong     | 94,519   |
| Bobot scawan + ekstrak | 97,747   |
| Bobot Ektsrak          | 3,228    |
| Bobot simplisia        | 100 gram |

$$\% \text{ Rendemen} = \frac{\text{bobot total ekstrak}}{\text{bobot total simplisia}} \times 100\%$$

$$\% \text{ Rendemen} = \frac{3,23 \text{ gram}}{100 \text{ gram}} \times 100\%$$

$$\% \text{ Rendemen} = 3,23 \%$$

### b. Ekstrak Daun Etil asetat

|                 |          |
|-----------------|----------|
| Bobot Ektsrak   | 4,22     |
| Bobot simplisia | 100 gram |

$$\% \text{ Rendemen} = \frac{\text{bobot total ekstrak}}{\text{bobot total simplisia}} \times 100\%$$

$$\% \text{ Rendemen} = \frac{4,22 \text{ gram}}{100 \text{ gram}} \times 100\%$$

$$\% \text{ Rendemen} = 4,22 \%$$

### c. Ekstrak Daun Metanol

|                 |          |
|-----------------|----------|
| Bobot Ektsrak   | 12,64    |
| Bobot simplisia | 100 gram |

$$\% \text{ Rendemen} = \frac{\text{bobot total ekstrak}}{\text{bobot total simplisia}} \times 100\%$$

$$\% \text{ Rendemen} = \frac{12,64 \text{ gram}}{100 \text{ gram}} \times 100\%$$

$$\% \text{ Rendemen} = 12,64 \%$$

## d. Ekstrak Kulit Batang Faloak n-heksan

|                 |          |
|-----------------|----------|
| Bobot Ekstrak   | 1,29     |
| Bobot simplisia | 100 gram |

$$\% \text{ Rendemen} = \frac{\text{bobot total ekstrak}}{\text{bobot total simplisia}} \times 100\%$$

$$\% \text{ Rendemen} = \frac{1,29 \text{ gram}}{100 \text{ gram}} \times 100\%$$

$$\% \text{ Rendemen} = 1,29 \%$$

## e. Ekstrak Kulit Batang Faloak Etil Asetat

|                 |          |
|-----------------|----------|
| Bobot Ekstrak   | 1,2      |
| Bobot simplisia | 100 gram |

$$\% \text{ Rendemen} = \frac{\text{bobot total ekstrak}}{\text{bobot total simplisia}} \times 100\%$$

$$\% \text{ Rendemen} = \frac{1,2 \text{ gram}}{100 \text{ gram}} \times 100\%$$

$$\% \text{ Rendemen} = 1,2 \%$$

## f. Ekstrak Kulit Batang Faloak Metanol

|                 |          |
|-----------------|----------|
| Bobot Ekstrak   | 7,21     |
| Bobot simplisia | 100 gram |

$$\% \text{ Rendemen} = \frac{\text{bobot total ekstrak}}{\text{bobot total simplisia}} \times 100\%$$

$$\% \text{ Rendemen} = \frac{7,21 \text{ gram}}{100 \text{ gram}} \times 100\%$$

$$\% \text{ Rendemen} = 7,21 \%$$

### Lampiran 3. Perhitungan dan Dokumentasi Karakterisasi

#### a. Kadar abu total

##### 1. Daun Faloak

|                           |            |
|---------------------------|------------|
| Berat krus kosong         | 69,38 gram |
| Bobot krus + isi 1        | 69,77 gram |
| Bobot krus + isi 2        | 69,75 gram |
| Bobot krus + isi 3        | 69,74 gram |
| Isi 1 - Bobot krus kosong | 0,39 gram  |
| Isi 2 - Bobot krus kosong | 0,37 gram  |
| Isi 3 - Bobot krus kosong | 0,36 gram  |
| Bobot simplisia           | 5 gram     |

$$Kadar\ abu\ total = \frac{berat\ abu\ sisa\ pijar}{bobot\ simplisia} \times 100\%$$

$$cawan\ 1 = \frac{0,39\ gram}{5\ gram} \times 100\% \\ = 7,8\ \%$$

$$cawan\ 2 = \frac{0,37\ gram}{5\ gram} \times 100\% \\ = 7,4\ \%$$

$$cawan\ 3 = \frac{0,36\ gram}{5\ gram} \times 100\% \\ = 7,2\ \%$$

$$rata - rata = \frac{7,8 + 7,4 + 7,2}{3} = 7,466 \pm 0,305$$

##### 2. Kulit Batang Faloak

|                    |            |
|--------------------|------------|
| Berat krus kosong  | 72,41 gram |
| Bobot krus + isi 1 | 72,68 gram |
| Bobot krus + isi 2 | 72,66 gram |
| Bobot krus + isi 3 | 72,67 gram |

|                           |           |
|---------------------------|-----------|
| Isi 1 - Bobot krus kosong | 0,27 gram |
| Isi 2 - Bobot krus kosong | 0,25 gram |
| Isi 3 - Bobot krus kosong | 0,26 gram |
| Bobot simplisia           | 5 gram    |

$$\begin{aligned}
 \text{Kadar abu total} &= \frac{\text{berat abu sisa pijar}}{\text{bobot simplisia}} \times 100\% \\
 \text{cawan 1} &= \frac{0,27 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 5,4 \% \\
 \text{cawan 2} &= \frac{0,25 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 5 \% \\
 \text{cawan 3} &= \frac{0,26 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 5,2 \% \\
 \text{rata - rata} &= \frac{5,4 + 5 + 5,2}{3} = 5,2 \pm 0,2
 \end{aligned}$$

b. Kadar Abu tidak Larut Asam

1. Daun Faloak

|                           |            |
|---------------------------|------------|
| Berat krus kosong         | 69,38 gram |
| Bobot krus + isi 1        | 69,51 gram |
| Bobot krus + isi 2        | 69,5 gram  |
| Bobot krus + isi 3        | 69,51 gram |
| Isi 1 - Bobot krus kosong | 0,13 gram  |
| Isi 2 - Bobot krus kosong | 0,12 gram  |
| Isi 3 - Bobot krus kosong | 0,13 gram  |
| Bobot simplisia           | 5 gram     |

$$\begin{aligned}
 \text{Kadar abu total} &= \frac{\text{berat abu sisa pijar}}{\text{bobot simplisia}} \times 100\% \\
 \text{cawan 1} &= \frac{0,13 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 2,6 \% \\
 \text{cawan 2} &= \frac{0,12 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 2,4 \% \\
 \text{cawan 3} &= \frac{0,13 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 2,6 \% \\
 \text{rata - rata} &= \frac{2,6 + 2,4 + 2,6}{3} = 2,533 \pm 0,115
 \end{aligned}$$

## 2. Kulit Batang Faloak

|                           |            |
|---------------------------|------------|
| Berat krus kosong         | 72,41 gram |
| Bobot krus + isi 1        | 72,47 gram |
| Bobot krus + isi 2        | 72,46 gram |
| Bobot krus + isi 3        | 72,46 gram |
| Isi 1 - Bobot krus kosong | 0,06 gram  |
| Isi 2 - Bobot krus kosong | 0,05 gram  |
| Isi 3 - Bobot krus kosong | 0,05 gram  |
| Bobot simplisia           | 5 gram     |

$$\begin{aligned}
 \text{Kadar abu total} &= \frac{\text{berat abu sisa pijar}}{\text{bobot simplisia}} \times 100\% \\
 \text{cawan 1} &= \frac{0,06 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 1,2 \% \\
 \text{cawan 2} &= \frac{0,05 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 1 \% \\
 \text{cawan 3} &= \frac{0,05 \text{ gram}}{5 \text{ gram}} \times 100\% \\
 &= 1 \% \\
 \text{rata - rata} &= \frac{1,2 + 1 + 1}{3} = 1,066 \pm 0,115
 \end{aligned}$$

## c. Kadar sari larut etanol

## 1. Daun Faloak

|                            |            |
|----------------------------|------------|
| Berat cawan kosong         | 81,63 gram |
| cawan + ekstrak 1          | 81,73 gram |
| cawan + ekstrak 2          | 81,73 gram |
| cawan + ekstrak 3          | 81,71 gram |
| Isi 1 - Bobot cawan kosong | 0,1 gram   |
| Isi 2 - Bobot cawan kosong | 0,1 gram   |
| Isi 3 - Bobot cawan kosong | 0,08 gram  |
| Bobot simplisia            | 5 gram     |

$$Kadar\ sari\ larut\ etanol = \frac{bobot\ ekstrak \times 5}{bobot\ simplisia} \times 100\%$$

$$cawan\ 1 = \frac{0,1\ gram \times 5}{5\ gram} \times 100\%$$

$$= 10\%$$

$$cawan\ 2 = \frac{0,1\ gram \times 5}{5\ gram} \times 100\%$$

$$= 10\%$$

$$cawan\ 3 = \frac{0,08\ gram \times 5}{5\ gram} \times 100\%$$

$$= 8\%$$

$$rata - rata = \frac{10 + 10 + 8}{3} = 9,33 \pm 1,15$$

## 2. Kulit Batang Faloak

|                            |            |
|----------------------------|------------|
| Berat cawan kosong         | 82,95 gram |
| cawan + ekstrak 1          | 83,03 gram |
| cawan + ekstrak 2          | 83,04 gram |
| cawan + ekstrak 3          | 83,04 gram |
| Isi 1 - Bobot cawan kosong | 0,08 gram  |

|                            |           |
|----------------------------|-----------|
| Isi 2 - Bobot cawan kosong | 0,09 gram |
| Isi 3 - Bobot cawan kosong | 0,09 gram |
| Bobot simplisia            | 5 gram    |

$$Kadar\ sari\ larut\ etanol = \frac{bobot\ ekstrak \times 5}{bobot\ simplisia} \times 100\%$$

$$cawan\ 1 = \frac{0,08\ gram \times 5}{5\ gram} \times 100\%$$

$$= 8\ \%$$

$$cawan\ 2 = \frac{0,09\ gram \times 5}{5\ gram} \times 100\%$$

$$= 9\ \%$$

$$cawan\ 3 = \frac{0,09\ gram \times 5}{5\ gram} \times 100\%$$

$$= 9\ \%$$

$$rata - rata = \frac{8 + 9 + 9}{3} = 8,66 \pm 0,57$$

d. Kadar Sari Larut Air

1. Daun Faloak

|                            |            |
|----------------------------|------------|
| Berat cawan kosong         | 84,75 gram |
| cawan + ekstrak 1          | 84,95 gram |
| cawan + ekstrak 2          | 84,93 gram |
| cawan + ekstrak 3          | 84,94 gram |
| Isi 1 - Bobot cawan kosong | 0,2 gram   |
| Isi 2 - Bobot cawan kosong | 0,19 gram  |
| Isi 3 - Bobot cawan kosong | 0,19 gram  |
| Bobot simplisia            | 5 gram     |

$$Kadar\ sari\ larut\ air = \frac{bobot\ ekstrak \times 5}{bobot\ simplisia} \times 100\%$$

$$cawan\ 1 = \frac{0,2\ gram \times 5}{5\ gram} \times 100\%$$

$$= 20\ \%$$

$$cawan\ 2 = \frac{0,18\ gram \times 5}{5\ gram} \times 100\%$$

$$= 18\ \%$$



$$\begin{aligned}
 \text{cawan 3} &= \frac{0,19 \text{ gram} \times 5}{5 \text{ gram}} \times 100\% \\
 &= 19 \% \\
 \text{rata - rata} &= \frac{20 + 18 + 19}{3} = 19 \pm 1
 \end{aligned}$$

## 2. Kulit Batang Faloak

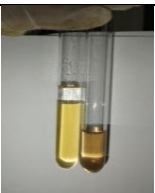
|                            |            |
|----------------------------|------------|
| Berat cawan kosong         | 77,34 gram |
| cawan + ekstrak 1          | 77,45 gram |
| cawan + ekstrak 2          | 77,44 gram |
| cawan + ekstrak 3          | 77,45 gram |
| Isi 1 - Bobot cawan kosong | 0,11 gram  |
| Isi 2 - Bobot cawan kosong | 0,1 gram   |
| Isi 3 - Bobot cawan kosong | 0,11 gram  |
| Bobot simplisia            | 5 gram     |

$$\begin{aligned}
 \text{Kadar sari larut air} &= \frac{\text{bobot ekstrak} \times 5}{\text{bobot simplisia}} \times 100\% \\
 \text{cawan 1} &= \frac{0,11 \text{ gram} \times 5}{5 \text{ gram}} \times 100\% \\
 &= 11 \% \\
 \text{cawan 2} &= \frac{0,1 \text{ gram} \times 5}{5 \text{ gram}} \times 100\% \\
 &= 10 \% \\
 \text{cawan 3} &= \frac{0,11 \text{ gram} \times 5}{5 \text{ gram}} \times 100\% \\
 &= 11 \% \\
 \text{rata - rata} &= \frac{11 + 10 + 11}{3} = 10,66 \pm 0,57
 \end{aligned}$$

## e. Dokumentasi Karakterisasi Simplisia

| No | Parameter                  | Sampel                                                                              |                                                                                       |
|----|----------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |                            | Kulit batang faloak                                                                 | Daun Faloak                                                                           |
| 1. | Kadar abu total            |    |    |
| 2. | Kadar abu tidak larut asam |    |    |
| 3. | Kadar sari larut air       |   |   |
| 4. | Kadar sari larut etanol    |  |  |
| 5. | Susut pengeringan          |  |  |

### Lampiran 4. Skrining Fitokimia

| Sampel              | Golongan senyawa | Hasil                                                                               |                                                                                      |                                                                                       |
|---------------------|------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Kulit batang faloak | Alkaloid         |    |    |    |
|                     | Flavonoid        |                                                                                     |    |                                                                                       |
|                     | Tanin            |                                                                                     |   |                                                                                       |
|                     | Saponin          |                                                                                     |  |                                                                                       |
|                     | Triterpenoid     |                                                                                     |  |                                                                                       |
| Daun Faloak         | Alkaloid         |  |  |  |
|                     | Flavonoid        |                                                                                     |  |                                                                                       |

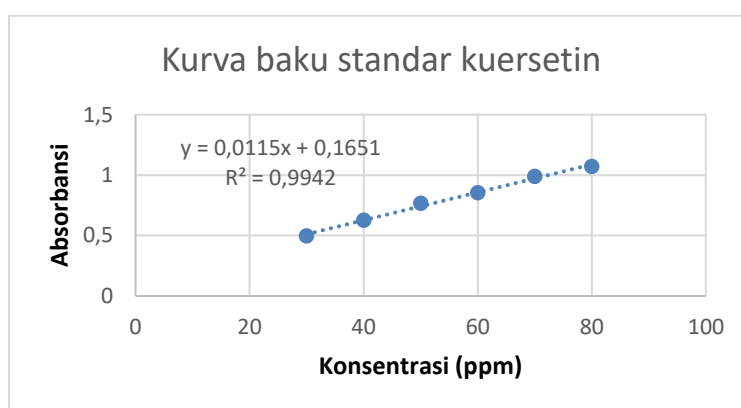
|  |           |  |                                                                                    |  |
|--|-----------|--|------------------------------------------------------------------------------------|--|
|  | Tanin     |  |  |  |
|  | Saponin   |  |  |  |
|  | Terpenoid |  |  |  |

### Lampiran 5. Pembuatan Ekstrak



### Lampiran 6. Standar Kuersetin

| Konsentrasi (x) | Absorbansi (y) | Persamaan Regresi      |
|-----------------|----------------|------------------------|
| 30              | 0,497          | $y = 0,0115x + 0,1651$ |
| 40              | 0,625          |                        |
| 50              | 0,765          |                        |
| 60              | 0,852          |                        |
| 70              | 0,988          |                        |
| 80              | 1,069          |                        |



## Lampiran 7. Pengujian Penetapan Kadar Flavonoid Total

| sampel                                     | Konsentrasi (ppm) |      |      | Abs $\lambda$ 415 (y) |      |      | Kadar flavonoid total (%)<br>(mg QE/g Ekstrak) |       |       | Rata-rata kadar   |
|--------------------------------------------|-------------------|------|------|-----------------------|------|------|------------------------------------------------|-------|-------|-------------------|
|                                            | I                 | II   | III  | I                     | II   | III  | I                                              | II    | III   |                   |
| Daun Faloak<br>Ekstrak n-heksan            | 1000              | 1000 | 1000 | 0,44                  | 0,42 | 0,45 | 2,390                                          | 2,216 | 2,477 | $2,361 \pm 0,132$ |
| Daun faloak<br>Ekstrak etil asetat         | 1000              | 1000 | 1000 | 0,57                  | 0,58 | 0,57 | 3,520                                          | 3,607 | 3,549 | $3,549 \pm 0,050$ |
| Daun faloak<br>Ekstrak metanol             | 1000              | 1000 | 1000 | 0,63                  | 0,66 | 0,64 | 4,042                                          | 4,303 | 4,129 | $4,158 \pm 0,132$ |
| Kulit batang faloak<br>Ekstrak n-heksan    | 1000              | 1000 | 1000 | 0,31                  | 0,29 | 0,3  | 1,260                                          | 1,086 | 1,173 | $1,173 \pm 0,086$ |
| Kulit batang faloak<br>Ekstrak etil asetat | 1000              | 1000 | 1000 | 0,43                  | 0,42 | 0,4  | 2,303                                          | 2,216 | 2,042 | $2,187 \pm 0,132$ |
| Kulit batang faloak<br>Ekstrak metanol     | 1000              | 1000 | 1000 | 0,69                  | 0,72 | 0,68 | 4,564                                          | 4,825 | 4,477 | $4,622 \pm 0,181$ |

$$Y = bx + a$$

$$X = \frac{y-a}{b}$$

$$y = 0,0115x + 0,1651$$

$$x = \frac{0,44-0,1651}{0,0115}$$

$$x = 23,904347826086 \mu\text{g}$$

$$\% \text{ kadar} = \frac{C \times V \times Fp}{BS} \times 100\%$$

$$\% = \frac{23,904347826086 \times 10 \times 50 \times 1}{50} \times 100\%$$

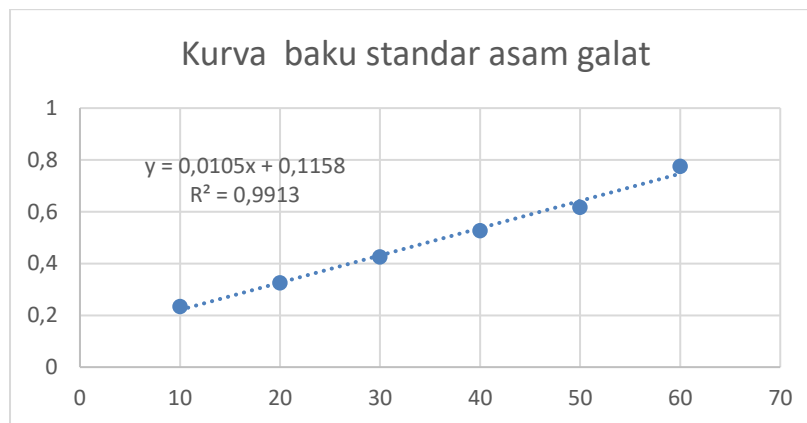
$$\% = 2,390 \%$$

### Lampiran 8. Penetapan Kadar Flavonoid Total

| No | Perlakuan                       | Keterangan                                                                           |
|----|---------------------------------|--------------------------------------------------------------------------------------|
| 1. | Penimbangan Kuersetin           |    |
| 2. | Penimbangan kulit batang faloak |    |
| 3. | Penimbangan daun faloak         |   |
| 4. | Seri konsentrasi kuersetin      |  |
| 5. | Sampel                          |  |

### Lampiran 9. Standar Asam Galat

| Konsentrasi (x) | Absorbansi (y) | Persamaan Regresi      |
|-----------------|----------------|------------------------|
| 10              | 0,234          | $y = 0,0105x + 0,1158$ |
| 20              | 0,325          |                        |
| 30              | 0,426          |                        |
| 40              | 0,527          |                        |
| 50              | 0,617          |                        |
| 60              | 1,775          |                        |





### Lampiran 10. Pengujian Penetapan Kadar Fenolat Total

| sampel                                  | Konsentrasi (ppm) |      |      | Abs $\lambda$ 765 (y) |      |      | Kadar fenolat total (%)<br>(mg GAE/g Ekstrak) |       |       | Rata-rata kadar   |
|-----------------------------------------|-------------------|------|------|-----------------------|------|------|-----------------------------------------------|-------|-------|-------------------|
|                                         | I                 | II   | III  | I                     | II   | III  | I                                             | II    | III   |                   |
| Daun Faloak Ekstrak n-heksan            | 1000              | 1000 | 1000 | 0,58                  | 0,56 | 0,57 | 4,420                                         | 4,230 | 4,352 | 4,325 $\pm$ 0,095 |
| Daun faloak Ekstrak etil asetat         | 1000              | 1000 | 1000 | 0,69                  | 0,67 | 0,65 | 5,468                                         | 5,278 | 5,087 | 5,278 $\pm$ 0,190 |
| Daun faloak Ekstrak metanol             | 1000              | 1000 | 1000 | 0,86                  | 0,83 | 0,82 | 7,087                                         | 6,801 | 6,706 | 6,865 $\pm$ 0,198 |
| Kulit batang faloak Ekstrak n-heksan    | 1000              | 1000 | 1000 | 0,68                  | 0,67 | 0,68 | 5,373                                         | 5,278 | 5,373 | 5,341 $\pm$ 0,054 |
| Kulit batang faloak Ekstrak etil asetat | 1000              | 1000 | 1000 | 0,76                  | 0,73 | 0,74 | 6,135                                         | 5,849 | 5,944 | 5,976 $\pm$ 0,145 |
| Kulit batang faloak Ekstrak metanol     | 1000              | 1000 | 1000 | 0,86                  | 0,83 | 0,85 | 7,087                                         | 6,801 | 6,992 | 6,960 $\pm$ 0,145 |

$$Y = bx + a$$

$$X = \frac{y-a}{b}$$

$$y = 0,0105x + 0,1158$$

$$x = \frac{0,58 - 0,1158}{0,0105}$$

$$x = 44,209523809523 \mu\text{g}$$

$$\% \text{ kadar} = \frac{C \times V \times Fp}{BS} \times 100\%$$

$$\% = \frac{44,209523809523 \times 10 \times 50 \times 1}{50} \times 100\%$$

$$\% = 4,420 \%$$

### Lampiran 11. Penetapan Kadar Fenolat Total

| No | Perlakuan                       | Keterangan                                                                                                                                                               |
|----|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Penimbangan kulit batang faloak |                                                                                        |
| 2. | Penimbangan daun faloak         |                                                                                        |
| 3. | Pembuatan baku asam galat       |   |
| 4. | Sampel                          |                                                                                      |

## Lampiran 12. Hasil Turnitin

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### Lampiran 13. Kartu Bimbingan

| <p>NIM<br/>231FF04011<br/>Nama Mahasiswa<br/>BARTH LARSON BOLING SAU<br/>Program Studi<br/>S1 Farmasi<br/>Jenis TA<br/>Skripsi<br/>Periode Mulai<br/>2024 Ganjil<br/>SKS Lulus<br/><b>151 SKS</b><br/>Tgl. Mulai<br/>4 Maret 2025<br/>Judul Tugas Akhir<br/>Penetapan Kadar Flavonoid Total Serta Fenolat Total Dari Ekstrak Daun Dan Kulit Batang Falook<br/>(Sterculia quadrifida R.Br)<br/>Tahap<br/>Sidang Akhir/ Komprehensif (Ujian)<br/>Status<br/>Aktif</p> |                  |                          |                   |           |                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|-------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tanggal          | Dosen Pembimbing         | Topik             | Disetujui | Aksi                                                                                                                                                                     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 13 Februari 2025 | apt. Asep Roni, M.Si     | Bimbingan         | ✓         |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 13 Februari 2025 | apt. Lia Marliani, M.Si. | Bimbingan         | ✓         |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 19 Februari 2025 | apt. Asep Roni, M.Si     | Revisi            | ✓         |   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 19 Februari 2025 | apt. Lia Marliani, M.Si. | Revisi            | ✓         |   |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 24 Februari 2025 | apt. Lia Marliani, M.Si. | Bimbingan skripsi | ✓         |   |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 24 Februari 2025 | apt. Asep Roni, M.Si     | Bimbingan skripsi | ✓         |   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 17 Maret 2025    | apt. Lia Marliani, M.Si. | Bimbingan hasil   | ✓         |   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 17 Maret 2025    | apt. Asep Roni, M.Si     | Bimbingan hasil   | ✓         |   |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11 April 2025    | apt. Lia Marliani, M.Si. | Bimbingan hasil   | ✓         |   |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11 April 2025    | apt. Asep Roni, M.Si     | Bimbingan hasil   | ✓         |   |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 22 April 2025    | apt. Lia Marliani, M.Si. | Bimbingan hasil   | ✓         |   |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 22 April 2025    | apt. Asep Roni, M.Si     | Bimbingan hasil   | ✓         |   |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30 April 2025    | apt. Asep Roni, M.Si     | Bimbingan hasil   | ✓         |   |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30 April 2025    | apt. Lia Marliani, M.Si. | Bimbingan hasil   | ✓         |   |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 Mei 2025       | apt. Asep Roni, M.Si     | Kemajuan 1        | ✓         |   |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 Mei 2025       | apt. Lia Marliani, M.Si. | Kemajuan 1        | ✓         |   |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 13 Juni 2025     | apt. Asep Roni, M.Si     | Kemajuan 2        | ✓         |   |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 13 Juni 2025     | apt. Lia Marliani, M.Si. | Kemajuan 2        | ✓         |   |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 Juli 2025      | apt. Asep Roni, M.Si     | Draft skripsi     | ✓         |   |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 Juli 2025      | apt. Lia Marliani, M.Si. | Draft skripsi     | ✓         |   |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7 Juli 2025      | apt. Asep Roni, M.Si     | Draft skripsi     | ✓         |   |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7 Juli 2025      | apt. Lia Marliani, M.Si. | Draft skripsi     | ✓         |   |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11 Juli 2025     | apt. Asep Roni, M.Si     | Revisi Skripsi    | ✓         |   |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11 Juli 2025     | apt. Lia Marliani, M.Si. | Revisi Skripsi    | ✓         |   |

## Lampiran 14. Biodata

| <b>CURRICULUM VITAE</b>                                                                                                                                                                                                                                                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div> <div> <b>PERSONAL DATA</b> </div> <div> <p>Nama : Barth Larson Boling Sau</p> <p>Tempat, Tgl. Lahir : Rote, 01 Mei2001</p> <p>Jenis Kelamin : Laki-Laki</p> <p>Tinggi Badan : 165 cm</p> <p>Berat Badan : 65 cm</p> <p>Alamat : Kelurahan Namosain, Kec. Alak, RT/RW 022/001</p> <p>Telepon : 081338683086</p> <p>Email : aconbolingsau01@gmail.com</p> <p>Sosial Media : IG @aconnnnnnnnn</p> </div> </div> |  |
| <div> <div> <b>RIWAYAT PENDIDIKAN</b> </div> <div> <p>2005 – 2006 TK Hang Tuah 23 Kupang</p> <p>2006 – 2012 SD Inpres Namosain</p> <p>2013 – 2016 SMP Negeri 1 Kota Kupang</p> <p>2016 – 2019 SMA Negeri 8 Kupang</p> <p>2019 – 2021 D3 Farmasi Politeknik Kesehatan Kupang</p> <p>2023 – 2025 S1 Farmasi Universitas Bhakti Kencana</p> </div> </div>                                                             |  |
| <div> <div> <b>RIWAYAT ORGANISASI</b> </div> <div> <p>2019 – 2021 "Tim Jamu" Prodi Farmasi Poltekkes Kemenkes Kupang</p> </div> </div>                                                                                                                                                                                                                                                                             |  |
| <div> <div> <b>KEMAMPUAN</b> </div> <div> <p>- Microsoft Word, Canva</p> </div> </div>                                                                                                                                                                                                                                                                                                                             |  |