

## LAMPIRAN

## Lampiran 1. Surat Determinasi Tumbuhan



## INSTITUT TEKNOLOGI BANDUNG

## SEKOLAH ILMU DAN TEKNOLOGI HAYATI

Jalan Ganesa 10 Bandung 40132, Telp.: (022) 251 1575, 250 0258, Fax.: (022) 253 4107  
e-mail: sith@itb.ac.id http://www.sith.itb.ac.id

Nomor : 6521/IT1.C11.2/TA.00/2021  
Hal : Determinasi tumbuhan

10 Desember 2021

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

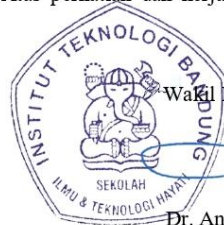
Memperhatikan surat permintaan Saudara dalam surat No. 1251/03.FF/UBK/XI/2021 tanggal 17 November 2021 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan determinasi oleh staf kami, sampel tumbuhan yang dikirim oleh Sdr. Tirta Syifa Mawardani (NPM: 11181142), adalah :

| No | Nama sampel   | Hasil determinasi                                    | Famili        |
|----|---------------|------------------------------------------------------|---------------|
| 1  | Pepaya jepang | <i>Cnidoscolus aconitifolius</i> (Mill.) I.M.Johnst. | Euphorbiaceae |

## Referensi:

1. Irsyam, A.S.D., Irwanto, R.R., Hariri, M.R., & Peniwidiyanti. (2020). The Genus *Cnidoscolus* Pohl (Euphorbiaceae) in Java. *Jurnal Al Kauniyah*, 13(1), 76–86.
2. Van Welzen, P.C., & Fernández-Casas, F.J. (2017). *Cnidoscolus* (Euphorbiaceae) escaped in Malesia?. *Blumea*, 62(1), 84–86.

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



Wakil Dekan Bidang Sumber Daya,

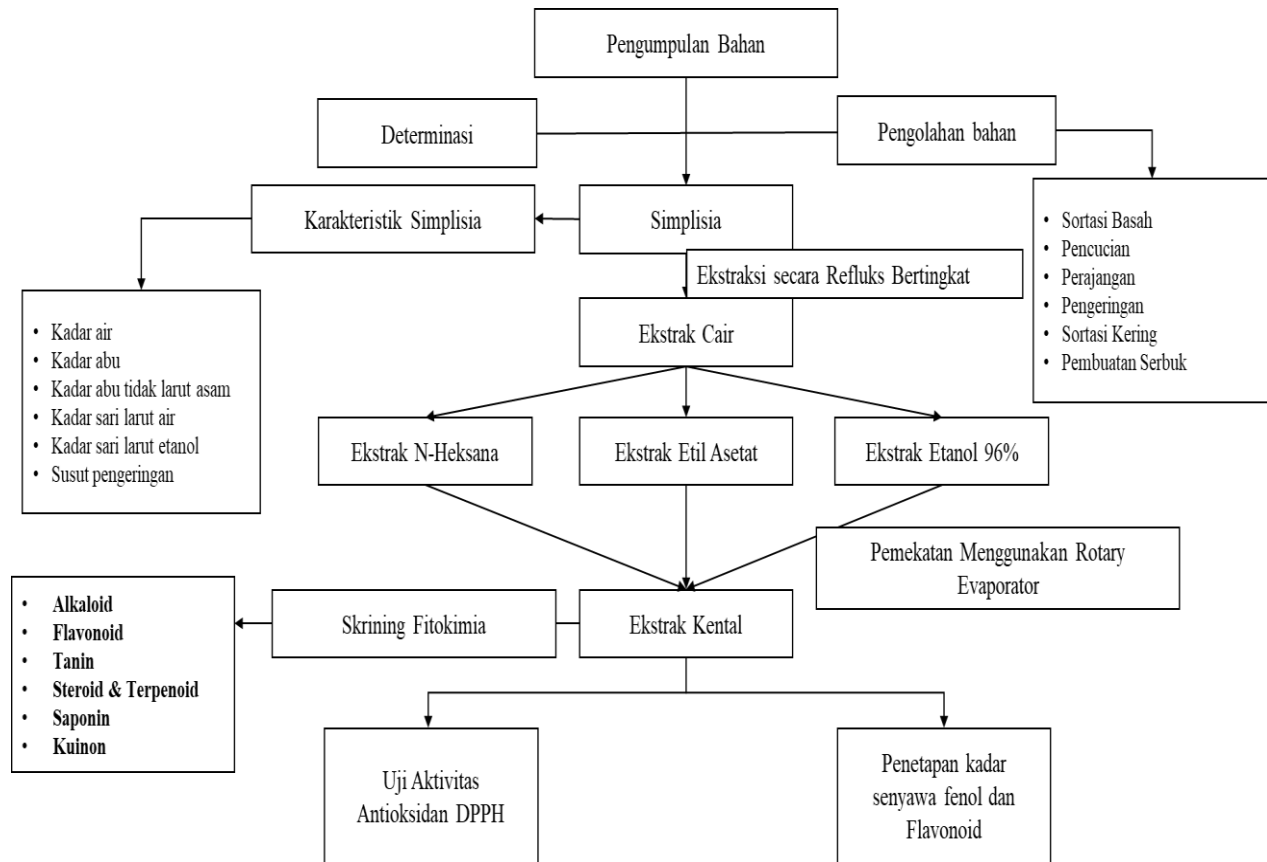
Dr. Angga Dwiartama  
NIP. 198302052012121002

Tembusan:  
Dekan SITH ITB, sebagai laporan.

Terakreditasi oleh :



## Lampiran 2. Lampiran Bagan Alir Penelitian



## Lampiran 3. Lampiran Perhitungan Rendemen Ekstrak

| Ekstrak                    | Tempat Kosong | Tempat + Ekstrak | Hasil ekstrak kental     |
|----------------------------|---------------|------------------|--------------------------|
| Ekstrak N-Heksan daun      | 89.63         | 94.464           | 94.464 - 89.63 = 4,834   |
| Ekstrak Etil Asetat daun   | 89.63         | 96.742           | 96.742 - 89.63 = 7,112   |
| Ekstrak Etanol 96% daun    | 89.63         | 98.436           | 98.436 - 89.63 = 8,806   |
| Ekstrak N-Heksan Batang    | 97.17         | 100.243          | 100.243 - 97.17 = 3,073  |
| Ekstrak Etil Asetat Batang | 97.17         | 103.535          | 103.535 - 97.17 = 6,365  |
| Ekstrak Etanol 96% Batang  | 97.17         | 107.527          | 107.527 - 97.17 = 10,357 |

$$\% \text{ rendemen} : \frac{\text{berat ekstrak yang didapatkan}}{\text{berat simplisia yang diekstraksi}} \times 100\%$$

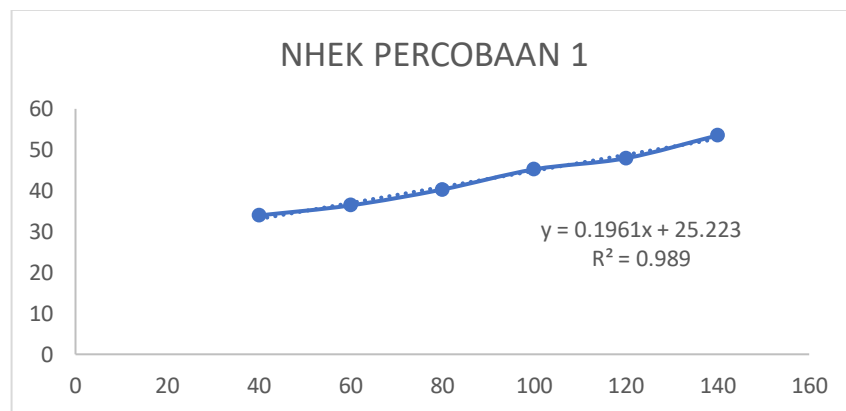
Simplisia yang digunakan pada ekstraksi : 100 g

| Nama Ekstak        | Ekstrak Kental | %Rendemen                                  | Hasil (%) |
|--------------------|----------------|--------------------------------------------|-----------|
| Daun N-Heksana     | 4,834          | $\frac{4,834}{100} \times 100\% = 4,834$   | 4,834     |
| Daun Etil Asetat   | 7,112          | $\frac{7,112}{100} \times 100\% = 7,112$   | 7,112     |
| Daun Etanol 96%    | 8,806          | $\frac{8,806}{100} \times 100\% = 8,806$   | 8,806     |
| Batang N-heksana   | 3,073          | $\frac{3,073}{100} \times 100\% = 3,073$   | 3,073     |
| Batang Etil asetat | 6,365          | $\frac{6,365}{100} \times 100\% = 6,365$   | 6,365     |
| Batang Etanol 96%  | 10,357         | $\frac{10,357}{100} \times 100\% = 10,357$ | 10,357    |

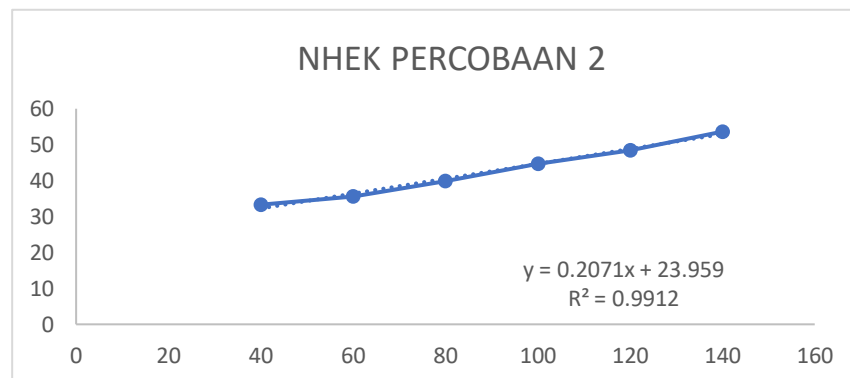
## Lampiran 4. Lampiran Uji Aktivitas Antioksidan

## a. Kurva Kalibrasi dan grafik Ekstrak Daun N-heksana

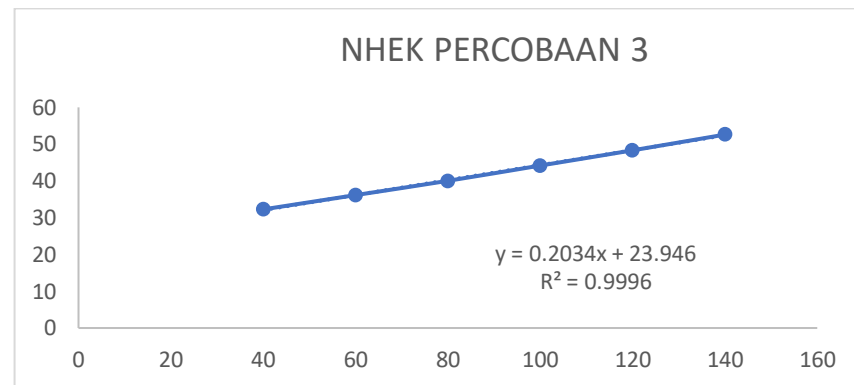
| Percobaan 1 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.51         | 33.938     | 126.349                  |
| 60          | 0.491        | 36.399     |                          |
| 80          | 0.461        | 40.285     |                          |
| 100         | 0.423        | 45.207     |                          |
| 120         | 0.402        | 47.927     |                          |
| 140         | 0.359        | 53.497     |                          |
| Blangko     | 0.772        |            |                          |



| Percobaan 2 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.515        | 33.290     | 125.741                  |
| 60          | 0.497        | 35.622     |                          |
| 80          | 0.464        | 39.896     |                          |
| 100         | 0.427        | 44.689     |                          |
| 120         | 0.398        | 48.446     |                          |
| 140         | 0.358        | 53.627     |                          |
| Blangko     | 0.772        |            |                          |



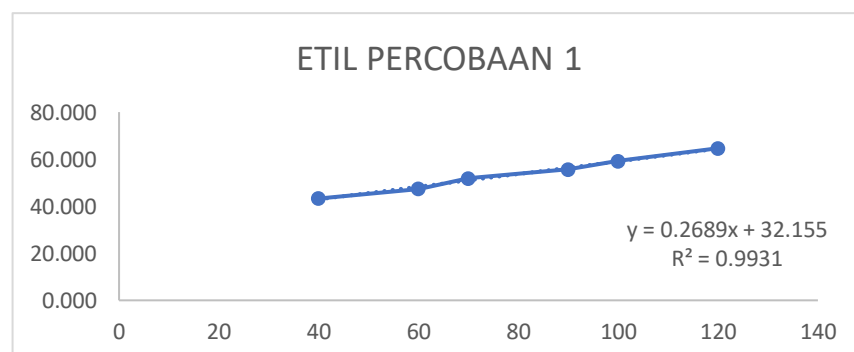
| Percobaan 3 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.523        | 32.254     | 128.092                  |
| 60          | 0.493        | 36.140     |                          |
| 80          | 0.463        | 40.026     |                          |
| 100         | 0.431        | 44.171     |                          |
| 120         | 0.399        | 48.316     |                          |
| 140         | 0.366        | 52.591     |                          |
| Blangko     | 0.772        |            |                          |



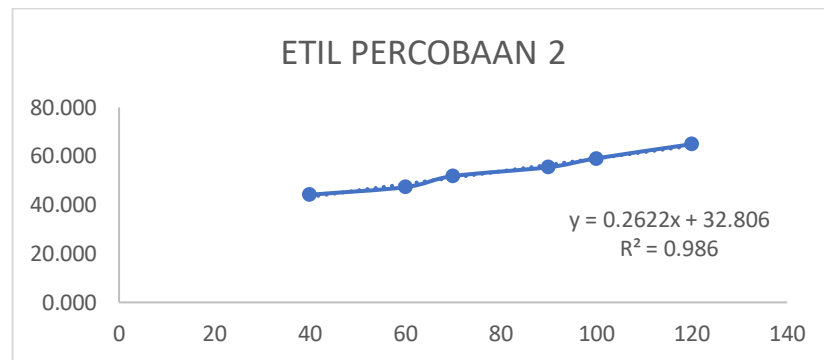
| Pengukuran | Nilai IC <sub>50</sub> | Rata-Rata | STD     | Hasil            |
|------------|------------------------|-----------|---------|------------------|
| 1          | 126.35                 | 126.728   | 1.22015 | 126.728 ± 1.2202 |
| 2          | 125.741                |           |         |                  |
| 3          | 128.092                |           |         |                  |

b. Kurva Kalibrasi dan grafik Ekstrak Daun Etil Asetat

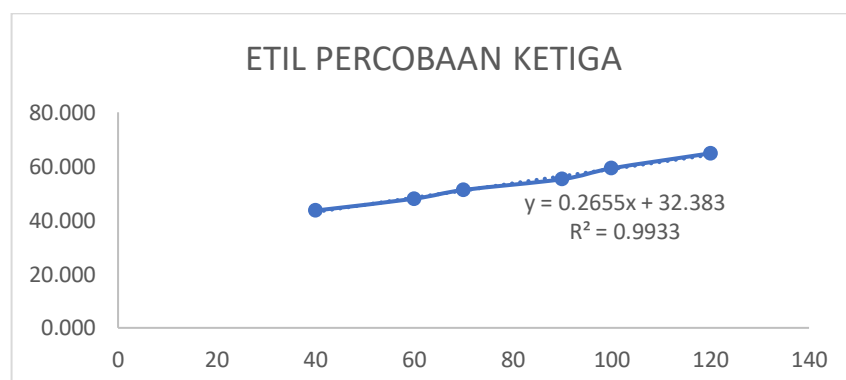
| Percobaan 1 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.438        | 43.264     | 66.363                   |
| 60          | 0.406        | 47.409     |                          |
| 70          | 0.372        | 51.813     |                          |
| 90          | 0.342        | 55.699     |                          |
| 100         | 0.315        | 59.197     |                          |
| 120         | 0.273        | 64.637     |                          |
| Blangko     | 0.772        |            |                          |



| Percobaan 2 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.431        | 44.171     | 65.576                   |
| 60          | 0.407        | 47.280     |                          |
| 70          | 0.372        | 51.813     |                          |
| 90          | 0.344        | 55.440     |                          |
| 100         | 0.316        | 59.067     |                          |
| 120         | 0.271        | 64.896     |                          |
| Blangko     | 0.772        |            |                          |



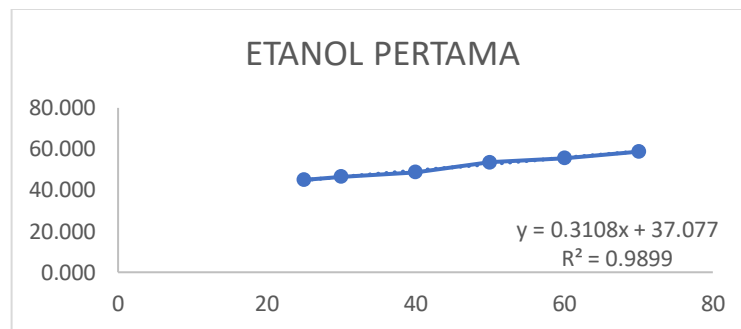
| Percobaan 3 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.436        | 43.523     | 66.354                   |
| 60          | 0.402        | 47.927     |                          |
| 70          | 0.377        | 51.166     |                          |
| 90          | 0.346        | 55.181     |                          |
| 100         | 0.315        | 59.197     |                          |
| 120         | 0.272        | 64.767     |                          |
| Blangko     | 0.772        |            |                          |



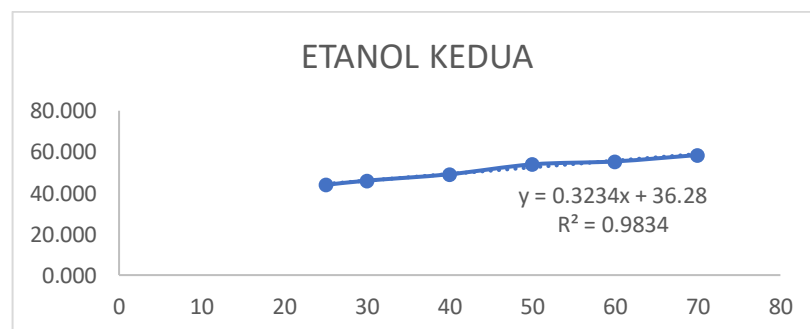
| Pengukuran | Nilai IC <sub>50</sub> | Rata-Rata | STD      | Hasil          |
|------------|------------------------|-----------|----------|----------------|
| 1          | 66.363                 | 66.098    | 0.451799 | 67.089 ± 0.343 |
| 2          | 65.576                 |           |          |                |
| 3          | 66.354                 |           |          |                |

c. Kurva Kalibrasi dan grafik Ekstrak Daun Etanol 96%

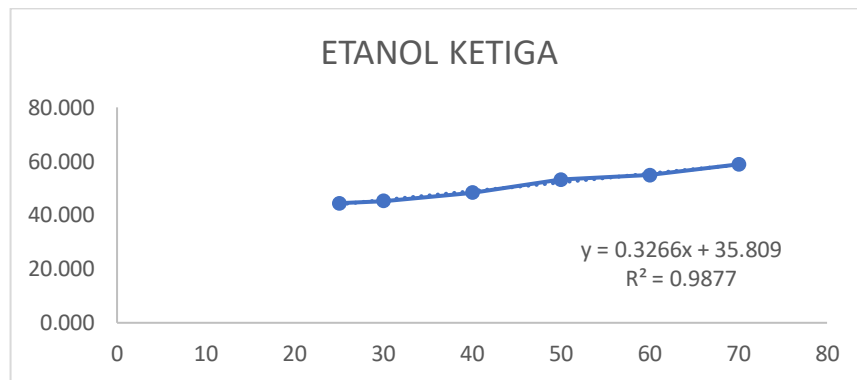
| Percobaan 1 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 25          | 0.424        | 44.935     | 41.58                    |
| 30          | 0.412        | 46.494     |                          |
| 40          | 0.395        | 48.701     |                          |
| 50          | 0.358        | 53.506     |                          |
| 60          | 0.342        | 55.584     |                          |
| 70          | 0.318        | 58.701     |                          |
| Blangko     | 0.770        |            |                          |



| Percobaan 2 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 25          | 0.432        | 43.896     | 42.424                   |
| 30          | 0.416        | 45.974     |                          |
| 40          | 0.392        | 49.091     |                          |
| 50          | 0.355        | 53.896     |                          |
| 60          | 0.344        | 55.325     |                          |
| 70          | 0.32         | 58.442     |                          |
| Blangko     | 0.770        |            |                          |



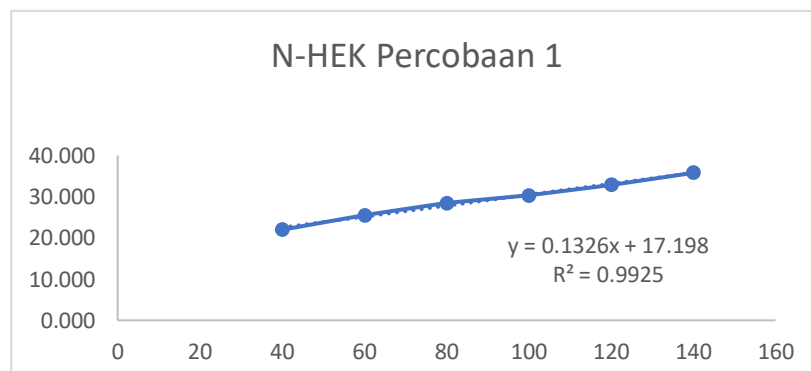
| Percobaan 3 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 25          | 0.428        | 44.416     | 43.451                   |
| 30          | 0.422        | 45.195     |                          |
| 40          | 0.398        | 48.312     |                          |
| 50          | 0.361        | 53.117     |                          |
| 60          | 0.348        | 54.805     |                          |
| 70          | 0.317        | 58.831     |                          |
| Blangko     | 0.770        |            |                          |



| Pengukuran | Nilai IC <sub>50</sub> | Rata-Rata | STD     | Hasil          |
|------------|------------------------|-----------|---------|----------------|
| 1          | 41.58                  | 42.485    | 0.93699 | 42.485 ± 0.936 |
| 2          | 42.424                 |           |         |                |
| 3          | 43.451                 |           |         |                |

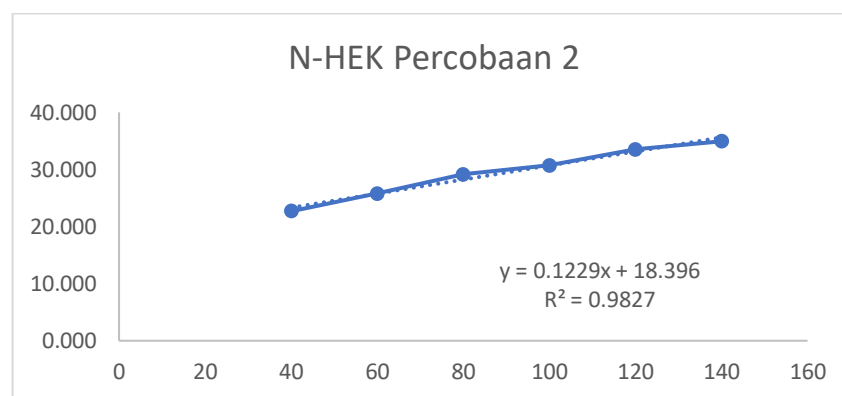
d. Kurva Kalibrasi dan grafik Ekstrak Batang N-Heksana

| Percobaan 1 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.554        | 21.972     | 247.376                  |
| 60          | 0.529        | 25.493     |                          |
| 80          | 0.508        | 28.451     |                          |
| 100         | 0.495        | 30.282     |                          |
| 120         | 0.477        | 32.817     |                          |
| 140         | 0.456        | 35.775     |                          |
| Blangko     | 0.710        |            |                          |

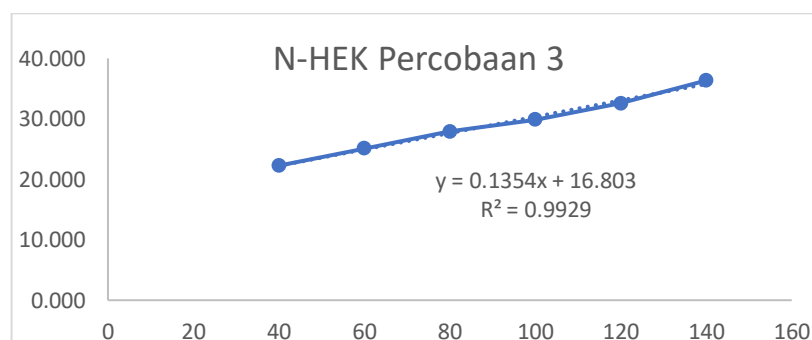




| Percobaan 2 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.549        | 22.676     | 247.152                  |
| 60          | 0.527        | 25.775     |                          |
| 80          | 0.503        | 29.155     |                          |
| 100         | 0.492        | 30.704     |                          |
| 120         | 0.472        | 33.521     |                          |
| 140         | 0.462        | 34.930     |                          |
| Blangko     | 0.771        |            |                          |



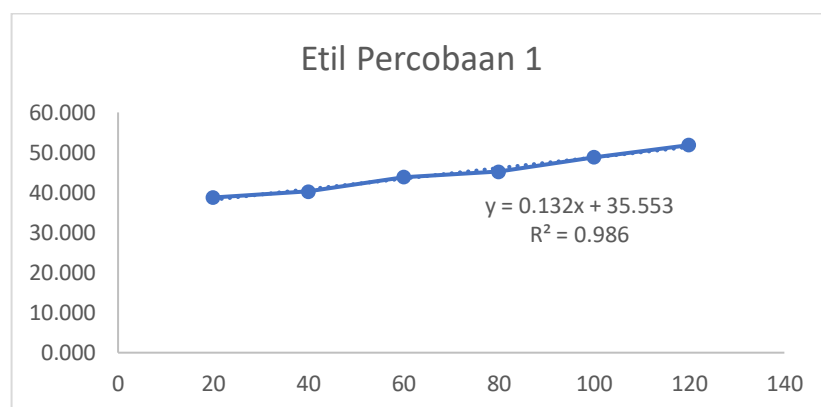
| Percobaan 3 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.552        | 22.254     | 247.37                   |
| 60          | 0.532        | 25.070     |                          |
| 80          | 0.512        | 27.887     |                          |
| 100         | 0.498        | 29.859     |                          |
| 120         | 0.479        | 32.535     |                          |
| 140         | 0.452        | 36.338     |                          |
| Blangko     | 0.771        |            |                          |



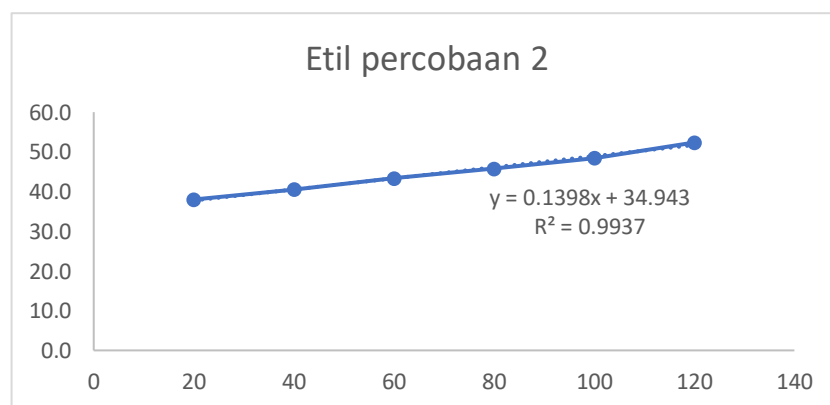
| Pengukuran | Nilai IC <sub>50</sub> | Rata-Rata | STD       | hasil           |
|------------|------------------------|-----------|-----------|-----------------|
| 1          | 247.376                | 247.299   | 0.1276297 | 247.299 ± 0.127 |
| 2          | 247.152                |           |           |                 |
| 3          | 247.37                 |           |           |                 |

## e. Kurva Kalibrasi dan grafik Ekstrak Batang Etil Asetat

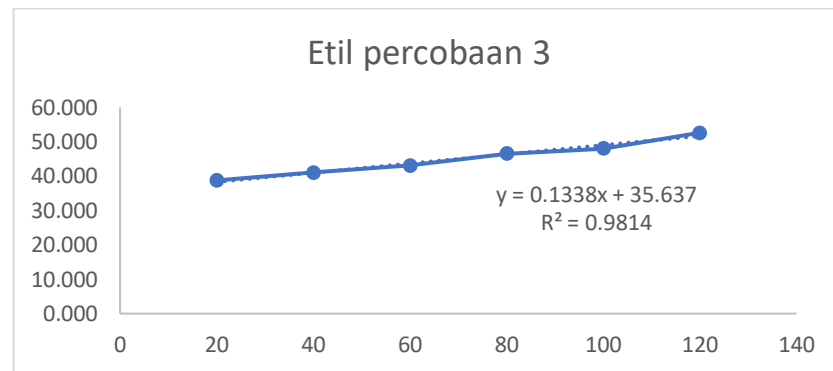
| Percobaan 1 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 20          | 0.482        | 38.755     | 109.447                  |
| 40          | 0.47         | 40.280     |                          |
| 60          | 0.442        | 43.837     |                          |
| 80          | 0.431        | 45.235     |                          |
| 100         | 0.403        | 48.793     |                          |
| 120         | 0.379        | 51.842     |                          |
| Blangko     | 0.787        |            |                          |



| Percobaan 2 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 20          | 0.488        | 37.992     | 107.704                  |
| 40          | 0.468        | 40.534     |                          |
| 60          | 0.446        | 43.329     |                          |
| 80          | 0.427        | 45.743     |                          |
| 100         | 0.406        | 48.412     |                          |
| 120         | 0.375        | 52.351     |                          |
| Blangko     | 0.787        |            |                          |



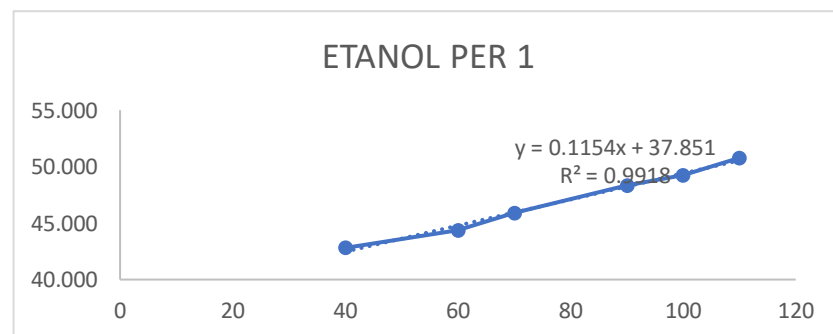
| Percobaan 3 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 20          | 0.482        | 38.755     | 107.347                  |
| 40          | 0.464        | 41.042     |                          |
| 60          | 0.448        | 43.075     |                          |
| 80          | 0.421        | 46.506     |                          |
| 100         | 0.409        | 48.030     |                          |
| 120         | 0.373        | 52.605     |                          |
| Blangko     | 0.787        |            |                          |



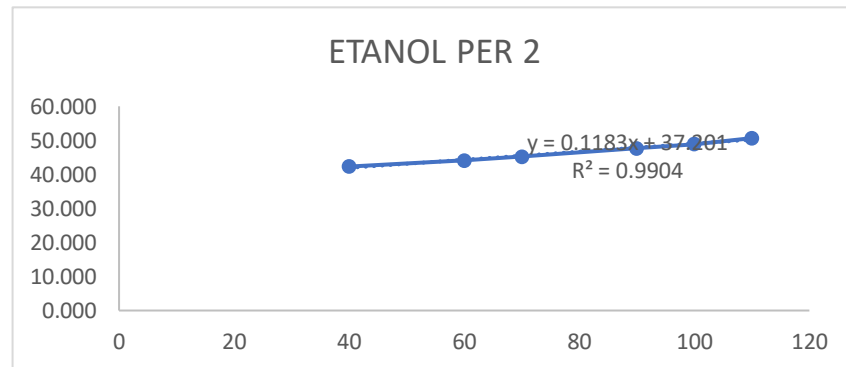
| Pengukuran | Nilai IC <sub>50</sub> | Rata-Rata | STD      | Hasil           |
|------------|------------------------|-----------|----------|-----------------|
| 1          | 109.447                | 108.166   | 1.123736 | 108.166 ± 1.123 |
| 2          | 107.704                |           |          |                 |
| 3          | 107.347                |           |          |                 |

f. Kurva Kalibrasi dan grafik Ekstrak Batang Etanol 96%

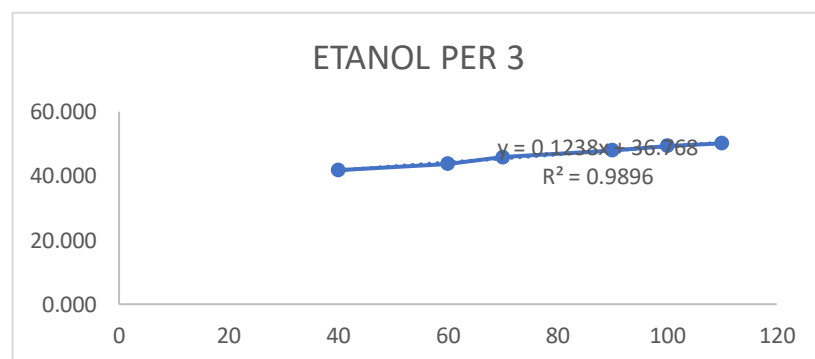
| Percobaan 1 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.445        | 42.802     | 105.277                  |
| 60          | 0.433        | 44.344     |                          |
| 70          | 0.421        | 45.887     |                          |
| 90          | 0.402        | 48.329     |                          |
| 100         | 0.395        | 49.229     |                          |
| 110         | 0.383        | 50.771     |                          |
| Blangko     | 0.777        |            |                          |



| Percobaan 2 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.449        | 42.288     | 108.191                  |
| 60          | 0.435        | 44.087     |                          |
| 70          | 0.426        | 45.244     |                          |
| 90          | 0.407        | 47.686     |                          |
| 100         | 0.398        | 48.843     |                          |
| 110         | 0.384        | 50.643     |                          |
| Blangko     | 0.778        |            |                          |



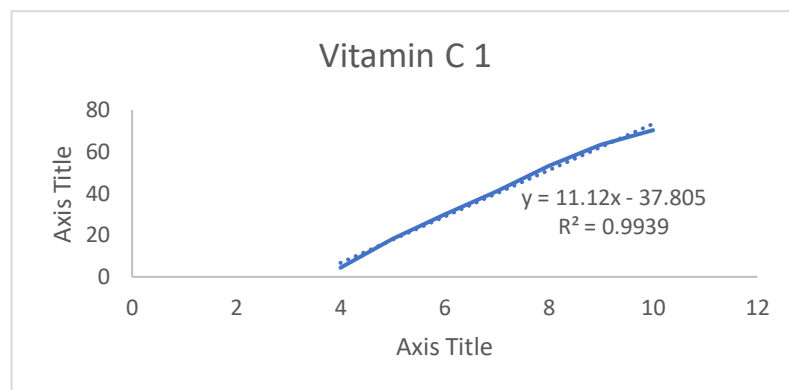
| Percobaan 3 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 40          | 0.445        | 42.802     | 106.882                  |
| 60          | 0.433        | 44.344     |                          |
| 70          | 0.421        | 45.887     |                          |
| 90          | 0.402        | 48.329     |                          |
| 100         | 0.395        | 49.229     |                          |
| 110         | 0.383        | 50.771     |                          |
| Blangko     | 0.778        |            |                          |



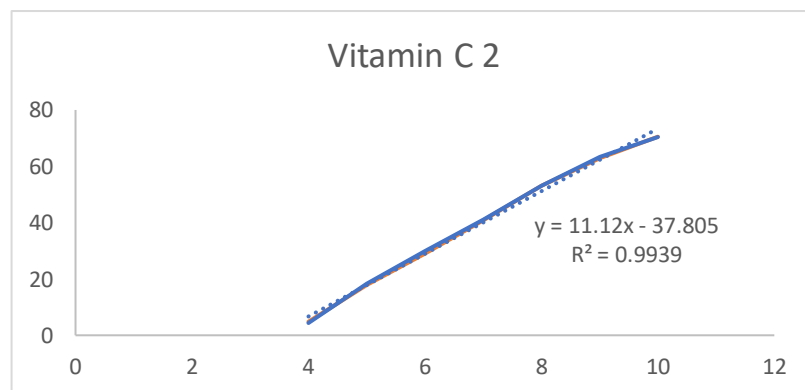
| Pengukuran | Nilai IC <sub>50</sub> | Rata-Rata | STD      | Hasil           |
|------------|------------------------|-----------|----------|-----------------|
| 1          | 105.277                | 106.783   | 1.459372 | 106.783 ± 1.459 |
| 2          | 108.191                |           |          |                 |
| 3          | 106.882                |           |          |                 |

## g. Kurva Kalibrasi dan grafik Vitamin C

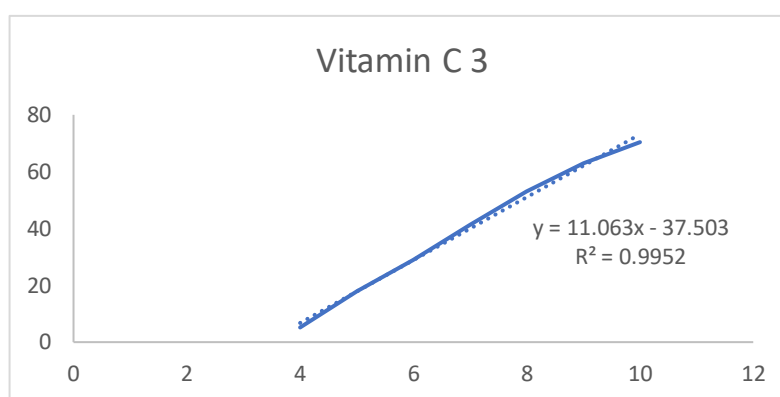
| Percobaan 1 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 4           | 0.833        | 4.363      | 7.896                    |
| 5           | 0.712        | 18.255     |                          |
| 6           | 0.611        | 29.851     |                          |
| 7           | 0.514        | 40.987     |                          |
| 8           | 0.408        | 53.157     |                          |
| 9           | 0.320        | 63.261     |                          |
| Blangko     | 0.871        |            |                          |



| Percobaan 2 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 4           | 0.829        | 4.822      | 7.916                    |
| 5           | 0.715        | 17.91      |                          |
| 6           | 0.619        | 28.932     |                          |
| 7           | 0.516        | 40.758     |                          |
| 8           | 0.409        | 53.042     |                          |
| 9           | 0.324        | 62.801     |                          |
| Blangko     | 0.871        |            |                          |



| Percobaan 3 |              |            |                          |
|-------------|--------------|------------|--------------------------|
| Konsentrasi | X absorbansi | % Inhibisi | IC <sub>50</sub> (µg/ml) |
| 4           | 0.826        | 5,66       | 7,910                    |
| 5           | 0.715        | 17,91      |                          |
| 6           | 0.619        | 28,932     |                          |
| 7           | 0.512        | 41,217     |                          |
| 8           | 0.409        | 53,042     |                          |
| 9           | 0.323        | 62,916     |                          |
| Blangko     | 0,871        |            |                          |



## Lampiran 5. Lampiran Penetapan Kadar Senyawa Total Fenolat

| Sampel<br>(Ekstrak)  | C   | Abs $\lambda$ 765 nm | Kadar Fenolat Total<br>(mg GAE/g Sampel) |
|----------------------|-----|----------------------|------------------------------------------|
| Daun N-heksana       | 500 | 0,216                | 9,735                                    |
|                      | 500 | 0,214                | 9,694                                    |
|                      | 500 | 0,219                | 9,796                                    |
| Rata-rata            |     |                      | 9,741 $\pm$ 0,05                         |
| Daun Etil Asetat     | 500 | 0,454                | 14,592                                   |
|                      | 500 | 0,456                | 14,633                                   |
|                      | 500 | 0,457                | 14,653                                   |
| Rata-rata            |     |                      | 14,625 $\pm$ 0,031                       |
| Daun Etanol 96%      | 500 | 0,578                | 17,122                                   |
|                      | 500 | 0,577                | 17,102                                   |
|                      | 500 | 0,575                | 17,061                                   |
| Rata-rata            |     |                      | 17,095 $\pm$ 0.031                       |
| Batang N-heksana     | 500 | 0,206                | 9,531                                    |
|                      | 500 | 0,201                | 9,429                                    |
|                      | 500 | 0,208                | 9,571                                    |
| Rata-rata            |     |                      | 9,510 $\pm$ 0,074                        |
| Batang Etil Asetat   | 500 | 0,318                | 11,816                                   |
|                      | 500 | 0,310                | 11,653                                   |
|                      | 500 | 0,317                | 11,796                                   |
| Rata-rata            |     |                      | 11,755 $\pm$ 0,089                       |
| Batang Etanol<br>96% | 500 | 0,419                | 13,878                                   |
|                      | 500 | 0,425                | 14,000                                   |
|                      | 500 | 0,424                | 13,980                                   |
| Rata-rata            |     |                      | 13,952 $\pm$ 0,031                       |

## Lampiran 6. Lampiran Penetapan Kadar Senyawa Total Flavonoid

| Sampel<br>(Ekstrak) | C   | Abs $\lambda$ 765 nm | Kadar Fenolat Total<br>(mg QE/g Sampel) |
|---------------------|-----|----------------------|-----------------------------------------|
| Daun n-heksana      | 500 | 0,283                | 7,682                                   |
|                     | 500 | 0,28                 | 7,594                                   |
|                     | 500 | 0,285                | 7,741                                   |
| Rata-rata           |     |                      | 7,67 $\pm$ 0,07                         |
| Daun Etil Asetat    | 500 | 0,341                | 9,388                                   |
|                     | 500 | 0,345                | 9,505                                   |
|                     | 500 | 0,347                | 9,564                                   |
| Rata-rata           |     |                      | 9,48 $\pm$ 0,09                         |
| Daun Etanol 96%     | 500 | 0,456                | 12,770                                  |
|                     | 500 | 0,458                | 12,829                                  |
|                     | 500 | 0,460                | 12,888                                  |
| Rata-rata           |     |                      | 12,82 $\pm$ 0,05                        |
| Batang N-heksana    | 500 | 0,212                | 5,594                                   |
|                     | 500 | 0,209                | 5,505                                   |
|                     | 500 | 0,211                | 5,564                                   |
| Rata-rata           |     |                      | 5,554 $\pm$ 0,045                       |
| Batang Etil Asetat  | 500 | 0,328                | 9,005                                   |
|                     | 500 | 0,321                | 8,800                                   |
|                     | 500 | 0,327                | 8,976                                   |
| Rata-rata           |     |                      | 8,927 $\pm$ 0,11                        |
| Batang Etanol 96%   | 500 | 0,367                | 10,152                                  |
|                     | 500 | 0,366                | 10,123                                  |
|                     | 500 | 0,368                | 10,182                                  |
| Rata-rata           |     |                      | 10,152 $\pm$ 0,029                      |



## Lampiran 7. Lampiran Penetapan Kadar Senyawa Total Flavonoid

|                                |                                                         |              |                |
|--------------------------------|---------------------------------------------------------|--------------|----------------|
| 11181142 Tirta Syifa Mawardani |                                                         |              |                |
| ORIGINALITY REPORT             |                                                         |              |                |
| 7 %                            | 7 %                                                     | 1 %          | 4 %            |
| SIMILARITY INDEX               | INTERNET SOURCES                                        | PUBLICATIONS | STUDENT PAPERS |
| PRIMARY SOURCES:               |                                                         |              |                |
| 1                              | core.ac.uk<br>Internet Source                           |              | 1 %            |
| 2                              | ijpst.or.id<br>Internet Source                          |              | 1 %            |
| 3                              | www.coursehero.com<br>Internet Source                   |              | 1 %            |
| 4                              | Submitted to Doral Academy High School<br>Student Paper |              | 1 %            |
| 5                              | repository.unfari.ac.id<br>Internet Source              |              | 1 %            |
| 6                              | journal.uad.ac.id<br>Internet Source                    |              | 1 %            |
| 7                              | e-journal.unair.ac.id<br>Internet Source                |              | 1 %            |
| 8                              | repository.unisba.ac.id<br>Internet Source              |              | 1 %            |





## SURAT PERNYATAAN

Yang bertanda tangan di bawah ini,

Nama : Tirta Syifa Mawardani

N P M : 11181142

adalah mahasiswa Fakultas Farmasi, Universitas Bhakti Kencana, menyatakan dengan sesungguhnya bahwa Naskah Tugas Akhir/Skripsi yang saya tulis dengan judul:

**POTENSI ANTIOKSIDAN DARI EKSTRAK DAUN DAN BATANG  
PEPAYA JEPANG (*Cnidioscolus aconitifolius* (Mill.) I.M.Johnst.)  
DENGAN METODE DPPH SERTA PENETAPAN KADAR  
SENYAWA FLAVONOID DAN FENOLAT**

*adalah benar-benar merupakan hasil karya saya sendiri. Apabila di kemudian hari diketahui bahwa isi Naskah Skripsi ini merupakan hasil plagiasi, maka saya bersedia menerima sanksi berupa pembatalan kelulusan dan atau pencabutan gelar yang saya peroleh.*

Demikian surat pernyataan ini saya buat untuk dapat dipergunakan sebagaimana mestinya.

Bandung , 29 Juni 2022

Yang membuat pernyataan,



Tirta Syifa Mawardani

NPM 11181142

## **SURAT PERNYATAAN**

Yang bertanda tangan di bawah ini,

Nama : Tirta Syifa Mawardani

N P M : 11181142

Menyatakan bahwa demi kepentingan perkembangan ilmu pengetahuan,  
saya menyetujui abstrak Skripsi yang saya tulis dengan judul:

### **POTENSI ANTIOKSIDAN DARI EKSTRAK DAUN DAN BATANG PEPAYA JEPANG (*Cnidioscolus aconitifolius* (Mill.) I.M.Johnst.) DENGAN METODE DPPH SERTA PENETAPAN KADAR SENYAWA FLAVONOID DAN FENOLAT**

Untuk dipublikasikan atau ditampilkan di internet atau media lain yaitu Digital Library  
Perpustakaan Universitas Bhakti Kencana untuk kepentingan akademik, sebatas sesuai  
dengan Undang-Undang Hak Cipta.

Demikian surat pernyataan ini saya buat untuk dapat dipergunakan sebagaimana  
mestinya.

Bandung , 29 Juni 2022

Yang membuat pernyataan,



Tirta Syifa Mawardani

NPM 11181142