**Lampiran Foto dan Gambar**

**Tabel 1.** Hasil Skrining Fitokimia Ekstrak Etanol Daun Sirsak

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Pemeriksaan** | **Pereaksi** | **Hasil** | **Keterangan** |
| 1. | Alkaloid | HCl 2N ditambahkan:Pereaksi Mayer | + | Terbentuk endapan putih hingga kuning |
| 2. | Fenol | FeCl3 1% | + | Terbentuk warna hitam kehijauan |
| 3. | Flavonoid | Mg+HCl pekat | + | Terbentuk warna jingga sampai merah |
| 4. | Saponin | Aquades | + | Terbentuk busa/buih yang bertahan lebih dari 10 menit |
| 5. | Tanin | FeCl3 5% | + | Terbentuk warna coklat kehijauan |

Sumber: Data Primer 2017

Keterangan: (+) = Hasil Positif (Terdeteksi senyawa metabolit sekunder)

 (-) = Hasil Negatif (Tidak terdeteksi senyawa metabolit sekunder)

**Tabel 2.** Karakterisasi Bakteri *V. cholerae* (Data Primer 2017)

|  |  |  |
| --- | --- | --- |
| **Karakterisasi** | **Hasil** | **Keterangan** |
| Media TCBS | + | Perubahan warna pada media TCBS dari hijau menjadi kuning |
| Pewarnaan Gram | + | Gram Negatif, berbentuk seperti batang |
| Uji Katalase | + | Terbentuk gelembung udara |

**Tabel 3.** Hasil Absorbansi Spektrofotometer

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Bahan** | **Panjang Gelombang**  | **Hasil** |
| 1. | Blanko (NaCl 0,9 %) | 540 nm | 0,064 A |
| 2. | Mc Farland 0,5 | 540 nm | 0,113 A |
| 3. | Suspensi Bakteri | 540 nm | 0,129 A |

**Tabel 4.** Diameter Zona Hambat Kontrol Positif dan Kontrol Negatif Terhadap *V. cholerae*

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Konsentrasi** | **Diameter Zona Hambat (mm)** | **Rata-rata (mm)** |
| **Pengulangan ke-** |
| **I** | **II** | **III** |
| 1. | Siprofloksasin | 30,45 | 29,78 | 31,90 | 30,71 |
| 2. | Tween 80 | 0 | 0 | 0 | 0 |

**Tabel 5.** Diameter Zona Hambat Ekstrak Etanol Daun Sirsak (*A. muricata* L.) Terhadap *V. cholerae*

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Konsentrasi (mg/ml)** | **Diameter Zona Hambat (mm)** | **Rata-rata (mm)** |
| **Pengulangan ke-** |
| **I** | **II** | **III** |
| 1. | 500 | 25,2 | 24,67 | 25,98 | 25,28 |
| 2. | 400 | 19,12 | 18,34 | 18,45 | 18,64 |
| 3. | 200 | 16,14 | 15,23 | 16,86 | 16,08 |
| 4. | 100 | 10,33 | 9,65 | 8,65 | 9,54 |
| 5. | 50 | 9,12 | 10,02 | 9,23 | 9,46 |
| 6. | 25 | 7,42 | 8,34 | 6,50 | 7,42 |

**Tabel 6.** Hasil Uji *One-Way ANOVA*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Sum of square** | **df** | **Mean Square** | **F** | **Sig.** |
| Between groups | 1391,663 | 6 | 231,944 | 381,525 | ,000 |
| Within groups | 8,511 | 14 | ,608 |  |  |
| Total | 1400,174 | 20 |  |  |  |

**Tabel 7.** Hasil Uji *Post Hoc LSD*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Konsentrasi (mg/ml)** | **25** | **50** | **100** | **200** | **400** | **500** | **Kontrol (+)** |
| 25 | - | ,006\* | ,005\* | ,000\* | ,000\* | ,000\* | ,000\* |
| 50 |  | - | ,894 | ,000\* | ,000\* | ,000\* | ,000\* |
| 100 |  |  | - | ,000\* | ,000\* | ,000\* | ,000\* |
| 200 |  |  |  | - | ,001\* | ,000\* | ,000\* |
| 400 |  |  |  |  | - | ,000\* | ,000\* |
| 500 |  |  |  |  |  | - | ,000\* |
| Kontrol (+) |  |  |  |  |  |  | - |

 Keterangan: \*) Terdapat perbedaan yang signifikansi (p<0,05)



**Gambar 1.** Hasil Analisis Kandungan Metabolit Sekunder Daun Sirsak

|  |  |
| --- | --- |
| **C:\Users\USER\AppData\Local\Microsoft\Windows\INetCache\Content.Word\957679.jpg****C****A** | **C:\Users\USER\AppData\Local\Microsoft\Windows\INetCache\Content.Word\957632.jpg****B** |
| https://classconnection.s3.amazonaws.com/185/flashcards/38185/jpg/catalase1305774253697.jpg |

**Gambar 2.** Hasil Karakterisasi Bakteri *V. cholerae* (A) Media TCBS, (B) Pewarnaan Gram, dan (C) Uji Katalase

**Gambar 3**. Histogram Hasil Uji Aktivitas Antibakteri Ekstrak Etanol Daun Sirsak (*A. muricata L*.)