

DAFTAR ISI

| | |
|--|------------|
| Halaman Sampul | i |
| Halaman Judul | ii |
| Halaman Pengesahan | iii |
| Prakata | iv |
| Abtrak | v |
| Daftar Isi | vii |
| Daftar Gambar dan Grafik | ix |
| Daftar Tabel | x |
| Daftar Lampiran | xi |
| BAB I | 1 |
| PENDAHULUAN | 1 |
| 1.1 Latar Belakang | 1 |
| 1.2 Permasalahan..... | 4 |
| 1.3 Tujuan..... | 4 |
| 1.4 Manfaat..... | 4 |
| BAB II | 5 |
| TINJAUAN PUSTAKA | 5 |
| 2.1 Jamur <i>Calocybe indica</i> | 5 |
| 2.2 Ekstraksi | 9 |
| 2.3 Fraksinasi..... | 9 |
| 2.4 Antioksidan | 10 |
| 2.4.1 Uji Total Fenolik (<i>Total Phenolic Content</i>) | 11 |
| 2.4.2 Uji Total Flavonoid (<i>Total Flavonoid Content</i>)..... | 11 |
| 2.4.3 DPPH (<i>2,2-diphenyl-1-picrylhydrazyl</i>) | 13 |
| 2.4.4 Daya Reduksi Ion Besi (<i>Ferric Reducing Power</i>) | 13 |
| 2.5 Hipotesis..... | 14 |
| BAB III | 15 |
| METODE PENELITIAN | 15 |
| 3.1 Tempat dan Waktu | 15 |
| 3.2 Alat dan Bahan..... | 15 |
| 3.3 Cara Kerja | 16 |

| | | |
|-----------------------------------|---|-----------|
| 3.3.1 | Penyiapan Simplisia Uji | 16 |
| 3.3.2 | Ekstraksi Jamur <i>Calocybe indica</i> | 17 |
| 3.3.3 | Fraksinasi Ekstrak Jamur <i>Calocybe indica</i> | 17 |
| 3.3.4 | Penentuan Kandungan <i>Total Phenolic Content</i> (TPC) | 18 |
| 3.3.5 | Penentuan Kandungan Flavonoid | 18 |
| 3.3.6 | Aktivitas Antioksidan Metode DPPH <i>2,2-diphenyl-1-picrylhydrazyl</i> | 18 |
| 3.3.7 | Uji Daya Reduksi Ion Besi (<i>Ferric Reduction Power Assay</i>) | 19 |
| 3.4 | Rancangan Percobaan | 20 |
| 3.5 | Analisis Data | 20 |
| BAB IV | | 21 |
| HASIL DAN PEMBAHASAN | | 21 |
| 4.1 | Ekstraksi dan Fraksinasi Sampel | 21 |
| 4.2 | Kandungan Fenolik <i>Calocybe indica</i> | 22 |
| 4.3 | Kandungan Flavonoid <i>Calocybe indica</i> | 24 |
| 4.4 | Aktivitas Antioksidan <i>Calocybe indica</i> | 26 |
| 4.4.1 | Aktivitas Penangkal DPPH (<i>2,2-diphenyl-1-picrylhydrazyl</i>) .. | 26 |
| 4.4.2 | Daya Reduksi Ion Besi (<i>Ferric Reducing Power</i>) | 28 |
| 4.5 | Analisis Berdasarkan Perbedaan Fraksi | 30 |
| 4.6 | Analisis Berdasarkan Perbedaan Strain <i>Calocybe indica</i> | 34 |
| 4.7 | Analisis Korelasi Pearson | 34 |
| BAB V | | 37 |
| SIMPULAN DAN SARAN | | 37 |
| DAFTAR PUSTAKA | | 38 |
| UCAPAN TERIMA KASIH | | 44 |
| LAMPIRAN | | 46 |
| DAFTAR RIWAYAT HIDUP | | 60 |