

BAB V

PENUTUP

5.1 Kesimpulan

Berdasarkan penelitian dan hasil kajian yang telah dilakukan tentang studi senyawa-senyawa metabolit sekunder dalam menghambat infeksi Covid-19, maka diperoleh beberapa kesimpulan sebagai berikut:

1. Teridentifikasi sebanyak 136 senyawa metabolit sekunder yang berpotensi menghambat infeksi COVID-19. Senyawa-senyawa tersebut terdapat dalam golongan flavonoid, saponin, alkaloid, steroid, terpenoid, phenolic dan diterpenoid.
2. Tumbuhan-tumbuhan yang menjadi sumber keterdapatannya 136 senyawa metabolit sekunder yang berpotensi menghambat infeksi COVID-19 dalam penelitian literatur ini ditemukan 79 tumbuhan pada 43 famili tumbuhan kebanyakan dari tumbuhan tersebut merupakan tumbuhan-tumbuhan yang ada dalam kehidupan manusia setiap hari, yaitu di dalam sayuran berdaun hijau, brokoli dan teh hijau. Terdapat pula pada biji-bijian seperti gandum dan kacang-kacangan.
3. Mekanisme reaksi senyawa anti SARS-CoV-2 yakni melalui interaksi terhadap target reseptor. Terdapat banyak mekanisme senyawa untuk menghambat reseptor target melalui aksi molekuler, antara lain 3CLpro (3C dan protease utama lainnya), papain (PLpro), RNA-dependent RNA

polymerase (RdRp), helikase, TMPRSS2, ACE2 dan Spike glikoprotein semuanya mengikat dengan baik senyawa anti-SARS-CoV-2.

5.2 Saran

Berdasarkan hasil penelitian dan pembahasan ini maka penulis menyarankan kepada peneliti selanjutnya, agar dapat melakukan penelitian secara docking molekuler terhadap senyawa-senyawa yang diperoleh ini.

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