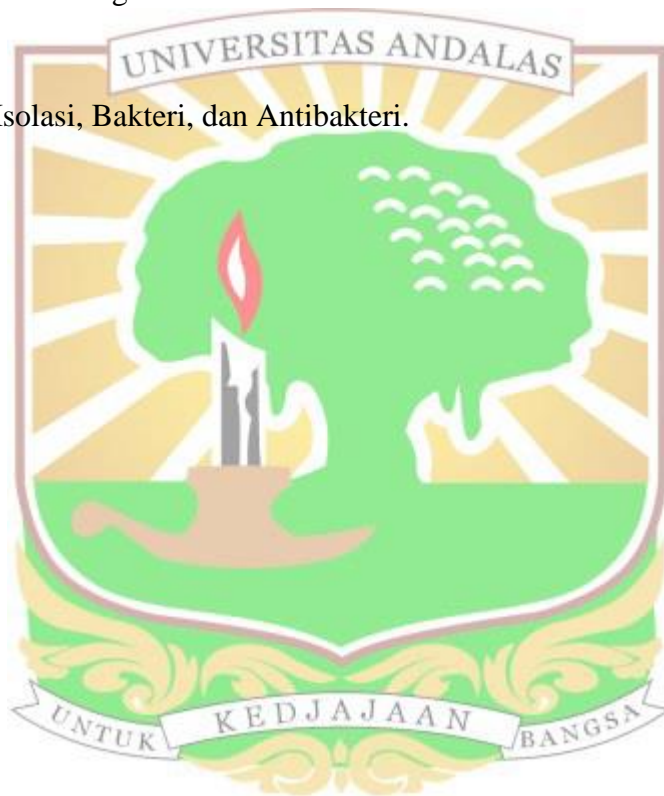


ABSTRAK

Senyawa RJ1 dan senyawa RJ2 telah berhasil diisolasi dari fraksi etil asetat isolat bakteri *Bacillus* sp.3 (A1) yang berasal dari spon laut *Haliclona fascigera*. Pemisahan senyawa dilakukan dengan metoda kromatografi. Senyawa RJ1 berupa minyak semi solid berwarna kuning sebanyak 2,8 mg. Senyawa RJ1 dapat menghambat bakteri uji *Staphylococcus aureus* ATCC 25923 pada Konsentrasi Hambat Minimum 1% dengan metoda difusi agar. Senyawa RJ2 berupa minyak semisolid berwarna kuning sebanyak 3,1 mg. Senyawa RJ2 dapat menghambat bakteri uji *Escherichia coli* ATCC 25922 pada Konsentrasi Hambat Minimum 1% dengan metoda difusi agar.

Kata Kunci: Isolasi, Bakteri, dan Antibakteri.



ABSTRACT

RJ1 and RJ2 compounds have been isolated from the ethyl acetate fraction of the symbiotic bacteria *Bacillus* sp.3 (A1) with marine sponges *Haliclona fascigera*. Isolation of antibacterial compound is done by chromatography method. The compound of RJ1 was yellowish oil (2,3 mg) that inhibit the bacteria *Staphylococcus aureus* ATCC 25923 at 0,1% Minimum Inhibitory Concentration (MIC) by agar diffusion method. In other, the compound of RJ2 was yellowish oil (3,1 mg) that inhibit the bacteria *Escherichia coli* ATCC 25922 at 0,1% Minimum Inhibitory Concentration (MIC) by agar diffusion method.

Keyword: Isolation, Bacteria, and Antibacterial.

