

INTISARI

TRIANINGSIH, F., 2020, STUDI LITERATUR UJI AKTIVITAS ANTIBAKTERI IKAN GABUS (*Channa striata*) TERHADAP BAKTERI *Staphylococcus aureus*, SKRIPSI, FAKULTAS FARMASI UNIVERSITAS SETIA BUDI, SURAKARTA

Ikan gabus (*Channa striata*) memiliki aktivitas penyembuhan luka yaitu luka bakar, luka sayat ataupun luka infeksi bakteri. Senyawa kimia yang memiliki aktivitas penyembuhan luka yaitu antimikrobal peptida (AMP). Penelitian ini bertujuan untuk mengetahui aktivitas antibakteri ikan gabus (*Channa striata*) terhadap bakteri *Staphylococcus aureus* dan untuk mengetahui senyawa aktif ikan gabus (*Channa striata*) yang mempunyai aktivitas antibakteri terhadap bakteri *Staphylococcus aureus*.

Penelitian ini dilakukan beberapa tahap yaitu identifikasi bakteri *Staphylococcus aureus*, ekstraksi sampel yang digunakan dan uji aktivitas antibakteri ikan gabus (*Channa striata*) diperoleh dengan studi literatur jurnal-jurnal penelitian menggunakan kata kunci “aktivitas antibakteri ikan gabus (*Channa striata*)” bakteri *Staphylococcus aureus* untuk identifikasi bakteri diperoleh dari Laboratorium Mikrobiologi Universitas Setia Budi.

Hasil studi literatur dari berbagai jurnal penelitian menunjukkan ikan gabus (*Channa striata*) memiliki aktivitas antibakteri terhadap bakteri *Staphylococcus aureus* dengan metode difusi cakram dan sumuran menghasilkan diameter zona hambat sebesar 25 mm; 16 mm; 14,61 mm; 12 mm; 3,33 mm. Aktivitas antibakteri pada ikan gabus (*Channa striata*) disebabkan karena terdapat senyawa antimicrobial peptides (AMP), hepcidins, lisozim, protease dan lektin.

Kata Kunci : Ikan gabus (*Channa striata*), lendir ikan, antibakteri, antimicrobial peptides (AMP).

ABSTRACT

TRIANINGSIH, F., 2020, LITERATURE STUDY OF ANTIBACTERIAL ACTIVITY TEST ON SNAKEHEAD (*Channa striata*) TOWARD *Staphylococcus aureus* BACTERIA, PHARMACEUTICAL FACULTY OF SETIA BUDI UNIVERSITY, SURAKARTA.

Snakehead fish (*Channa striata*) has wound healing activities, namely burns, cuts or bacterial infection. Chemical compounds that have wound healing activity are *antimicrobial peptides* (AMP). This study aims to determine the antibacterial activity of snakehead fish (*Channa striata*) against *Staphylococcus aureus* bacteria and to determine the active snakehead fish compound (*Channa striata*) which has antibacterial activity against *Staphylococcus aureus* bacteria.

This research was carried out in several stages, namely the identification of *Staphylococcus aureus* bacteria, the extraction of the samples used and the antibacterial activity test of snakehead fish (*Channa striata*) obtained by literature studies of research journals using the keyword "antibacterial activity of snakehead fish (*Channa striata*)" *Staphylococcus aureus* bacteria for bacterial identification was obtained from the Microbiology Laboratory of Setia Budi University.

The results of literature studies from various research journals show that snakehead fish (*Channa striata*) has antibacterial activity against *Staphylococcus aureus* bacteria using the disc and well diffusion method resulting in an inhibition zone diameter of 25 mm; 16 mm; 14.61 mm; 12 mm; 3.33 mm. Antibacterial activity in snakehead fish (*Channa striata*) is due to the presence of *antimicrobial peptides* (AMP), *hepcidins*, *lysozymes*, *proteases* and *lectins*

Keywords : Snakehead fish (*Channa striata*), fish mucus, antibacterial, *antimicrobial peptides* (AMP).

