

## Antibacterial Activity of Methanol Extract of Basil (*Ocimum Sp.*) Against *Vibrio Parahaemolyticus*

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**Abstract.** Basil leaves (*Ocimum basilicum* L.) contain flavonoids which are antibacterial, can inhibit nucleic acid synthesis, inhibit cytoplasmic membrane function, and inhibit cell energy metabolism. basil (*O. basilicum* L.) against *Vibrio parahaemolyticus*; determine the minimum concentration that can inhibit the growth of *V. parahaemolyticus* and the minimum concentration of basil leaf extract bactericidal against *V. parahaemolyticus*. This research was conducted at the Integrated Biology laboratory, Faculty of Fisheries and Marine Sciences, Universitas Muslim Indonesia. This research was experimental research with methanol extract treatment of basil (*O. basilicum* L.) leaves with three repetitions using the diffusion method. The sample used was *Vibrio parahaemolyticus* bacteria. The observed variable was the activity of methanol extract of basil leaves in inhibiting the growth of *Vibrio parahaemolyticus* bacteria. The results showed that the methanol extract of basil (*O. basilicum*) leaves had strong effect against growth of *V. parahaemolyticus* with an inhibition zone diameter of 13.67 mm. The minimum inhibition concentration (MIC) of methanol extract was 0.78 mg/mL and minimum bactericidal concentration (MBC) *V. parahaemolyticus* was 6.25 mg/mL.

**Keyword:** *Ocimum basilicum*, MIC, MBC, *Vibrio parahaemolyticus*, methanol extract