ABSTRACT

Merremia mammosa (Lour.) Hallier f. is one of Convolvulaceae family`s plant that has been used empirically as antimicrobial such as anti tuberculosis. The aim of this research is to determine antimicrobial activity from *n*-hexane extract fraction of *Merremia mammosa* (Lour.) Hallier f.`s tuber against *Mycobacterium tuberculosis* H37RV ATCC 27294. The activity is expressed as Minimum Inhibition Consentration (MIC) of this fraction against testing microbial by using Agar Dilution Method. The result showed that *n*-hexane extract fraction (fraction E) inhibit the growth of *Mycobacterium tuberculosis* H37RV ATCC 27294 until consentration 12,5 µg/ml.

Keywords: Antimicrobial activity, *Merremia mammosa* (Lour.) Hallier f., MIC, *Mycobacterium tuberculosis* H37RV ATCC 27294.