



### ABSTRACT

This study aimed to determine the antimicrobial activity of *Diadema setosum* crude toxin extract on *Staphylococcus aureus* and *Pseudomonas aeruginosa*. The spines were collected and extracted using an ethanol solvent. Three replicates were made per test organism. The Kirby Bauer method was used in testing the antimicrobial sensitivity of the crude extract to the selected microorganisms. Six mm filter paper disks were soaked with the crude extract and placed onto the seeded plate. After 24 hr the results were observed and the mean average zone of inhibition was measured in mm. The results yielded 0mm and 0mm respectively. The results were compared to the standard sensitivity index of streptomycin in determining the test microorganism sensitivity to the crude extract. The extract showed no antimicrobial effect on *Pseudomonas aeruginosa* and *Stapylococues aureus*.