

ABSTRACT

ANTIBACTERIAL ACTIVITY TEST OF JAVANESE GINSENG STEM EXTRACT (*Talinum paniculatum* G.) AGAINST BACTERIA *Bacillus cereus* BY PERCOLATION METHOD

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Javanese ginseng (Talinum paniculatum G.) is a plant that produces medicinal properties. One of the parts used is the stem of Javanese ginseng (Talinum paniculatum G.) which contains steroid compounds, tannins and phenolics. The bacteria that cause diarrhea and nausea are bacillus cereus. The purpose of this study was to determine the ability of Javanese ginseng stem extract (Talinum paniculatum G.) extracted with 96% ethanol solvent using the percolation method in inhibiting the growth of Bacillus bacteria cereus. Javanese ginseng stem powder (Talinum paniculatum G.) is obtained through the process of preparing ingredients, wet sorting, washing, cutting, drying, grinding to produce powder. Javanese ginseng stem powder (Talinum paniculatum G.) was then extracted by percolation method of 250 grams with 2,250 ml of 96% ethanol solvent. The antibacterial test used is the disc paper diffusion method with the spread of bacteria on Nutrient Agar (NA) media using a cotton swab. The concentration of the extract used was 25%, 50%, 75%, 100% and 10% DMSO control with 5 replications. The result of 5 replications at a concentration of 25% is 0.41mm, 50% is 1.56mm, 75% is 2.24mm, 100% is 1.20mm.

Keywords : *Antibacteria activity, Bacillus cereus, percolation method, Talinum paniculatum G.*