











**Figure 4.** Graph of antibacterial activity of handsanitizer gel dosage test.

N-hexane extract of soursop leaves has antibacterial activity after being formulated into antiseptic hand gel dosage. The results generally show that the greater concentration of soursop leaves extract, then the antibacterial activity of n-hexane extract gel soursop leaf is getting smaller. This is caused by the absorption process of the active compounds that penetrate into the media in inhibiting the growth of *P. acne*.

## CONCLUSIONS

The minimum growth inhibitory concentrations (MIC) of n-hexane extract of soursop leaves against *P. acne* was 1 ppm with an inhibition zone of 0.7 mm. This soursop leaves extract was formulated in handsanitizer gels with dosages of 1 ppm, 5 ppm and 10 ppm, and showed inhibition zones of 3.53, 3.26 and 2.20 mm respectively.

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