NALYSIS OF THE SENSITIVITY OF PAPAIN EXTRACT ON SALMONELLA AND SHIGELLA

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ABSTRACT

Paw paw is an evergreen tree or partially deciduous whose bark is highly valued for its medicinal properties, and it is believed to treat various ailments, including ulcers and burns. Locally it is used as a herbal plant in treatment of various ailments such as dysentery, diarhorea, stomachache and many other diseases. The main objective of the research work was to get an active extract from the paw paw tree bark and test its' efficiency in inhibiting the growth of pathogenic enteric bacteria mainly *Salmonella* species, and *Shigella* species. The extraction was done using ethanol. The part used was the bark. The sensitivity test was done using *Salmonella* species. and *Shigella*. In the sensitivity test the extracts got all had inhibitory effects on these two microorganisms. The extract had a great potency against *shigella than salmonella*. Further research should therefore be done on the extract obtained using ethanol to verify their efficiency in inhibiting the growth of *Salmonella* typhi and *Shigella* dysenteriae.