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**“ANTIBACTERIAL TEST OF MORINGA LEAF EXTRACT AGAINST
HELICOBACTER PYLORI IN VITRO”**

(xi + 67 Pages + 4 Tables + 5 Figures + 2 Attachments)

ABSTRACT

Background : *Helicobacter pylori* bacteria is a gram-negative bacterium that can cause gastritis, peptic ulcers, gastric carcinoma with a high incidence in the world. Infections caused by bacteria can be treated with antibiotics. Moringa leaves have been used as medicinal ingredients because they contain phytochemicals such as flavonoids, saponins and polyphenols which act as antibacterial.

Objective : To determine the antibacterial properties of extract *Moringa Oleifera* leaf against *Helicobacter pylori* bacteria in vitro.

Methods : A true experimental study with the treatment of *Moringa oleifera* leaf extract against *Helicobacter pylori* bacteria to test its sensitivity using the disc diffusion method or paper discs with concentrations of 25%, 50%, and 75%.

Results : The results of this study showed that the average yield of measurements with a concentration of 75% was 6.2 mm, whereas at concentrations of 50% and

25%, no inhibition zone was obtained. The positive control used in the experiment was the antibiotic Amoxicillin which gave an average inhibition of 29.22 mm while the negative control was 10% DMSO which did not provide an inhibition zone for bacteria.

Conclusion : Extract of *Moringa Oleifera* leaf with a concentration of 25%, 50% and 75% has no sensitivity to *Helicobacter pylori* bacteria.

Keywords : *Moringa Oleifera* Leaf, *Helicobacter pylori*

