



**ANTIMICROBIAL ACTIVITY OF *Strongylodon macrobotrys* CRUDE
EXTRACT AGAINST ENTEROPATHOGENIC *Vibrio spp.***

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ABSTRACT

This study investigated the antimicrobial activity of *Strongylodon macrobotrys* against enteropathogenic *vibrio spp*. *S. macrobotrys* crude extract antimicrobial activity was tested against enteropathogenic vibrios using the Minimum Inhibitory Concentration and Minimum Bactericidal Concentration. The lethal dose of the crude extract was measured by gavage feeding *Mus musculus* in increasing concentration of the extract. The initial and final count of vibrio when subjected to the crude extract was also counted using the viable counting method. Antimicrobial activity of the crude extract was found in high concentrations using MIC and MBC method. This indicates that the crude extract can inhibit the growth of enteropathogenic vibrios at high concentrations. It also demonstrated a low selective toxicity upon subjection of mice to crude extract. The researchers recommending observing the effect of the crude extract on the liver and kidneys, and to isolate the compounds that inhibit the growth of enteropathogenic vibrios.



Table of Contents

Title Page	1
Endorsement Sheet (Form 03)	2
Acknowledgements	3
Table of Contents	4
1.0 Introduction	
1.1 Background of the Study	6
1.2 Conceptual Framework	7
1.3 Statement of the Problem	7
1.4 Hypothesis	8
1.5 Scope and Limitations	8
1.6 Significance of Study	9
1.7 Definition of Terms	10
2.0 Literature Review	
2.1 Conceptual Literature	11
2.2 Related Studies	15
3.0 Methodology	
3.1 Research Design	19
3.2 Research Setting	19
3.3 Research Procedure	19
3.4 Data Gathering and Statistical Analysis	22



4.0 Results and Discussion	
4.1 Results	23
4.2 Discussion	25
5.0 Conclusion and Recommendations	
5.1 Conclusions	29
5.2 Recommendations	29
6.0 References	28
7.0 Appendices	
7.1 Appendix A Standard Procedure	35
7.2 Appendix B Timetable for Research	37
7.3 Appendix C Budgetary Requirements	38
7.4 Appendix D Photodocumentation	39
7.5 Appendix E Curriculum Vitae	41