

V. CONCLUSION AND SUGGESTION

A. Conclusion

Based on the results and discussion, conclusions can be drawn for the purpose of this research which states that:

1. The ethanol extract of *P. cystidiosus* fruit body effectively increased GLP-1 hormones level.
2. The optimal dose in this research to obtain the result of GLP-1 hormone, it is T2 group (500mg/KgBW) in produce GLP-1 and lowering blood glucose.

B. Suggestion

Identifying the specific compounds in the ethanol extract that are primarily responsible for increasing GLP-1 levels, future research should focus on the isolation and purification of these bioactive substances. It is also recommended to conduct phytochemical and colorimetric analyses to confirm the presence and role of key bioactive compounds. Furthermore, due to the marginal effects observed in the Duncan test, it should employ larger sample sizes or more robust experimental designs to enhance statistical power and validate the results.

