

### **UNIVERSITI PUTRA MALAYSIA**

# MODIFICATIONS OF CELLULAR AND TISSUE CHANGES ASSOCIATED WITH PATHOGENICITY OF REPTARENAVIRUS FOLLOWING ASCORBIC ACID AND RESVERATROL TREATMENTS

**ABBA YUSUF** 

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By

**ABBA YUSUF** 

Thesis Submitted to the School of Graduate Studies, Universiti Putra Malaysia, in Fulfillment of the Requirements for the Degree of Doctor of Philosophy

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