



**UNIVERSITI PUTRA MALAYSIA**

***DEVELOPMENT OF SAPONIN- BASED WETTABLE POWDER  
FORMULATION FROM MAHKOTA DEWA, *Phaleria macrocarpa*  
(Scheff.) Boerl TO CONTROL BLACK APPLE SNAIL, *Pomacea  
maculata Perry****

**ABDUL REHMAN ROONJHO**

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By

**ABDUL REHMAN ROONJHO**

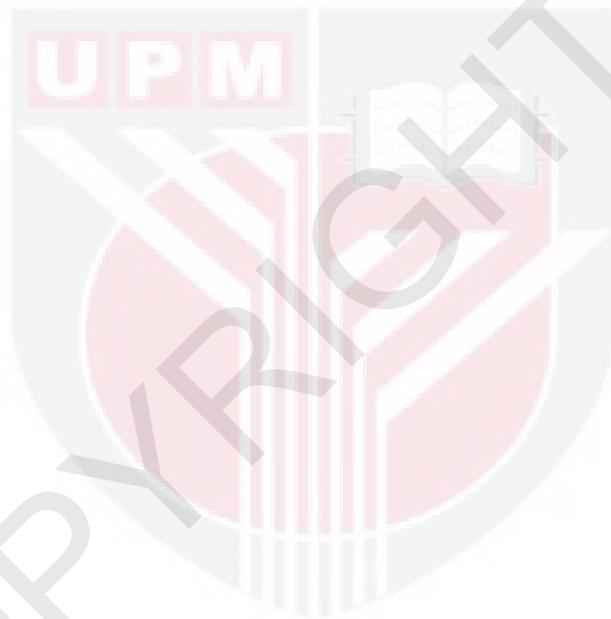
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