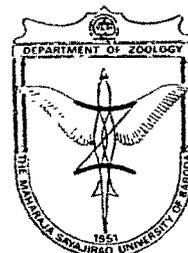


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C E R T I F I C A T E

This is to certify that the thesis  
incorporates the results of independant investi-  
gations carried out by the candidate himself in  
the department of Zoology, Faculty of Science,  
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