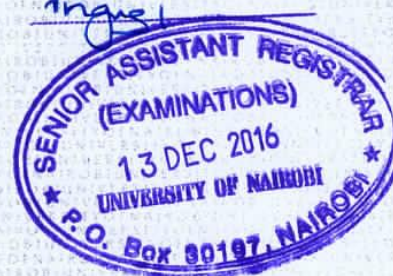


# UNIVERSITY OF NAIROBI



**CERTIFIED TRUE COPY  
OF THE ORIGINAL.**



This is to certify that

**Catherine Kaluwa Kainu**

having satisfied the requirements  
for the award of the degree of the

**DOCTOR OF PHILOSOPHY  
(IN ANIMAL PHYSIOLOGY)**

was admitted to the degree  
at a Congregation held at  
this University on the

**Second Day of December in the Year  
2016**

*Thabithi*

VICE-CHANCELLOR

*J. K. Njiru*

DEPUTY VICE-CHANCELLOR (ACADEMIC AFFAIRS)