



**UUM**  
Universiti Utara Malaysia



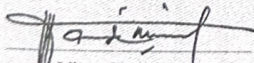
ENATE, with the authority vested in it,  
hereby confers

**THE DEGREE OF  
DOCTOR OF PHILOSOPHY**

upon

**SABELA**

with all the rights and privileges pertaining thereto.  
Sealed on this Twelfth of November, Two Thousand and Sixteen.

  
Vice-Chancellor

  
Registrar

