



**SUDAN UNIVESITY OF SCIENCE
AND TECHNOLOGY**



GRADUATE COLLEGE

A THESIS
SUBMITTED TO THE GRADUATE COLLEGE IN
FULFILLMENT OF THE REQUIREMENT FOR DEGREE OF
DOCTOR OF PHILOSOPHY IN BUSSINESS ADMINSTRATION

**Technical Efficiency and Productivity Measurement Using
Data Envelopment Analysis Approach in Sudanese
Agricultural Sector
2010 -2001**

**قياس الكفاءة الفنية والإنتاجية للقطاع الزراعي
السوداني باستخدام أسلوب التطويق الخارجي
للبيانات**

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2014