**INNOVATION IN MY FIELD OF STUDY**

**CLOUD COMPUTING**

**ABSTRACTS**

**English Abstract**

This study explores the adoption of cloud computing in small and medium-sized enterprises (SMEs). It investigates the benefits and challenges associated with the integration of cloud technologies into business operations. The research examines cost efficiency, scalability, security concerns, and the impact on business agility. The findings suggest that while cloud computing offers significant advantages in reducing operational costs and enhancing flexibility, there are notable challenges related to data security, compliance, and vendor lock-in. The study concludes with recommendations for SMEs on how to effectively leverage cloud computing to drive innovation and growth.

**Kiswahili Abstract**

Utafiti huu unachunguza matumizi ya teknolojia ya kompyuta za wingu (cloud computing) katika biashara ndogo na za kati (SMEs). Utafiti huu unazingatia faida na changamoto zinazohusiana na ujumuishaji wa teknolojia za wingu katika uendeshaji wa biashara. Uchunguzi huu unakagua ufanisi wa gharama, uwezo wa kupanuka, wasiwasi kuhusu usalama, na athari kwa wepesi wa biashara. Matokeo yanaonyesha kuwa ingawa kompyuta za wingu zina faida kubwa katika kupunguza gharama za uendeshaji na kuongeza urahisi, kuna changamoto kubwa zinazohusiana na usalama wa data, kufuata sheria, na utegemezi wa mtoa huduma. Utafiti unahitimisha kwa mapendekezo kwa SMEs juu ya jinsi ya kutumia teknolojia za wingu kwa ufanisi ili kuendeleza uvumbuzi na ukuaji.

**Kikuyu Abstract**

Thuto ino niũmbeire gweteka kũrũrĩrirwo kwa cloud computing kũrĩ mĩĩtĩ ya mũtĩrĩre mũnini na gĩtĩrĩgĩtĩ (SMEs). Ĩrathimĩrĩra wĩra-inĩ wa cloud technologies na mĩhĩrĩga na mĩtungatĩrĩrĩra ya bũrũrũ-inĩ wa wĩra-inĩ wa mĩtĩ. Ĩno ĩkũrũrĩra wĩra wa gĩthũri kĩa thiĩni, ũkũrĩrĩtio, thũkũmi wa data na ũtũmĩtĩ. Mĩthomere ya ũmwe wĩra-inĩ wa cloud computing ĩrĩ kũrĩ rĩngĩ nĩyũmbeirĩra gũthirĩka kĩĩtũmi kĩa thiĩni na wĩra na kũthiĩrĩka ũrĩa rĩngĩ. Thuto ĩnĩ mĩhĩrĩga nĩkũnyihĩtwo wĩra-inĩ wa mĩĩtĩ, na ũndũ wa gweteka wĩra wa cloud computing nĩkwĩrĩka kũgĩa mũnini wa gũthĩndũka na gũkaĩga.