

AGRICULTURAL KNOWLEDGE MANAGEMENT: A CASE STUDY OF NIGERIA CASSAVA PRODUCTION PROCESS

EMMANUEL UKPE & S. M. F. D SYED MUSTAPHA

*School of Information and Communication Technology, Asia e University, Jalan Sultan Sulaiman,
Kuala Lumpur, Malaysia*

ABSTRACT

This is a study to establish the essence of the development of Plant Knowledge Management (PKM) for crop plantation, using Nigeria Cassava as a case study. Cassava Plantation process is cumbersome and complex; it requires a thorough documentation of the process for effective knowledge management. The multiplication rate of planting materials for cassava is unusually low compared to grain crops that are propagated by true seeds. Also, cassava stem cuttings are bulky and highly perishable as they dry up within a few days. Cassava was chosen as the topic because of its importance to Nigerian society and the accumulated knowledge. This study has implications for guiding the construction of other plant production knowledge management in Nigeria. Until now, a cassava ontology or any other plant or crop has not been constructed in Nigeria. This research presents the challenges in cassava plantation process and the need to promote cassava knowledge management as a necessity to preserve this vital crop.

KEYWORDS: *Agriculture, Cassava, Knowledge, Management, Nigeria*

Received: Jan 10, 2016; **Accepted:** Feb 25, 2015; **Published:** Mar 03, 2016; **Paper Id.:** JASRJUN20162