



ILRI/TALIRI PROGRAMME IN TANZANIA

Contact Neema J. Kelya, neemajkelya@gmail.com

Activity Report

Training on Digital data capture using Open Data Kit (ODK) for AI Technicians at National Artificial Insemination Center (NAIC) Tanzania

(December 2020 and January 2021)

Overview

The Government of Tanzania established NAIC with the aim of improving dairy cattle in the country. The center provides semen and Liquid Nitrogen to AI technicians. Also, it provides training to AI technicians and oversees AI activities in the country under the ministry of livestock and fisheries. Provision of the AI services requires record keeping hence alongside AI training the technicians are also trained on the ADGG ODK application which helps them collect data in the field and send it to the ADGG data platform (<https://portal.adgg.ilri.org/>).

Capacity Development of AI Technicians

The use of digital tools to collect AI data is important in ensuring data is accurately collected and sent to the main database, processed and accurate feedback is sent back to farmers to help them successfully manage their dairy farms.

The training involved technicians from different parts of Tanzania mostly being government extension staff. The training covered courses on AI activities such as anatomy of the cow, reproductive system, care and semen handling, abattoir field work and important aspects of data collection ODK application being the focus. The training was interactive whereby participants were taught how to install the ODK data capture application, how to perform settings and navigation through the form. Participants were also taken through questions in the form and were assessed.

The training was implemented in two batches the first conducted for two weeks and the second for one month as presented in Table 1.

Table 1: Number Participants trained from different batches parts grouped by gender.

Batch	Number of AI Technicians trained		
	Men	Women	Total
December 2020 (2 weeks)	4	2	6
January_February 2021 (4 weeks)	23	4	27
<i>Total</i>	27	6	33
Facilitators:		1	1
ADGG/NAIC	7	3	10

Group assignment on use of ODK



Training session



Certificate provision closing session.



Group Picture.



Open Data Kit (ODK) training content

Topics covered in the training were as follows:

- Importance of keeping record in dairy farm management.
- ODK installation and setup.
- Forms to be used by AI Technicians (Farmer registration, Animal registration, synchronization, Insemination and Pregnancy diagnosis).
- Importance of setting the URL correctly.

NAIC STAFFs Trainers

Dafay Bura
Florida Shayo
Jeroboam Abia
Philibert Barongo
Dr Paul Mollel
Elibariki Njiku
Abdalla Thabit
Devotha Tango
Samwel Mahende

ADGG Trainer

ICT: Neema Joseph Kelya

ANNEXES

The ODK manual developed by the ILRI was used as core materials for training.

https://africadgg.files.wordpress.com/2020/09/adgg_odk_tools_manual-20200914.pdf

Trainees list



PARTICIPANTS AI
TRAINING JAN_FEB 20