

First name: Ronald **Middle name:** Malaki **Surname:** Kaduma
Date of birth: 7th April 1989
Sex: Male
Nationality: Tanzanian
Marital Status: Married
Religion: Christian

LANGUAGES

	Speaking	Reading	Writing	Listening
Swahili	Excellent	Excellent	Excellent	Excellent
English	Good	Good	Good	Good

PERSONAL DESCRIPTION

- Very fast learner.
- Hard working and able to work under pressure.
- Ability to work in a mutli disciplinary team work with minimum supervision.
- Able to cope with a new working environment and to comply with rules and regulations.
- Strong skills and extensive experience working with community on Agriculture Community Development, Social Work and Research Methodologies.
- Excellent on General Agriculture skills, Cotton fiber Technology, Geographical Information System and Remote sensing , including the ability to liaise and interact with all levels within organization of Tanzania Agricultural Research Institute (TARI)

Computer Knowledge and Skills

► Computer Literacy;

- MS-Word
- MS-Excel
- Ms Power point
- MS-Access (Database Management).
- Internet.
- Data analysis (M-stat C, Genstat, Breeding system management, Clone seletor,R studio)
- Soil mapping by using the softwares ARCGIS 9.1,DIVA GIS,Quantum GIS
- Data collection by using ODK, Land parks

PRESENT ADDRESS:

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KEY QUALIFICATIONS:

Mr Ronald Malaki Kaduma; he is a Tanzanian, Diploma holder of Land Use Planning, an employee of Tanzania Agriculture Research Institute (TARI) under Ministry of Agriculture, as a Agricultural Technician I. At the moment, he is working at Tanzania Agriculture Research Institute (TARI) - Ukiriguru. For the past Seven years he has been working under Crop research programme, specifically to Cotton research sub-programmer, under the Cotton Fibre Technology research sub section. He got on job training at Tanzania Agriculture Research Institute (TARI) – Ukiriguru Cotton fibre Research Laboratory, Tanzania Bureau Standards (Ubungo - Dare es salaam Tanzania) as well as Tanzania Cotton Board (Kurasini and Shinyanga – Tanzania) Cotton fibre laboratories..Lastly he attend an International Training Programmer on Textile Testing and Quality Control at The South India Textile Research Association Coimbatore India. He is eager, enthusiasm and capable to learn new skills and technologies.

Also For one year he has been work under special programmer, Natural resource management in Geographical Information System laboratory and Land resource assessments.(At Ukiriguru centre of Tanzania Agricultural Research Institute) with Zone mandate of conducting activities of surveying and mapping including aerial photography, Photogrammetric, photo interpretation , first order geodesy, remote sensing, calibration and maintenances of surveying and mapping equipment. as well as water management, Improving and maintaining soil fertility, evaluation of environmental, Soil survey and land evaluation in the lake zone of Tanzania.

Not only that since 22 June 2018 two until to date working at cotton entomology section under cotton Programmer.

EDUCATION:

From	To	
2009	2011	Diploma in Land Use Planning at Ministry of Agriculture Training Institute-Igurusi, Mbeya - Tanzania
2007	2009	National form six examination certificate “advance level” Bihawana Secondary School, Dodoma - Tanzania
2003	2006	National form Four Examination Certificate “Ordinary level” Mtwango Secondary School, Njombe - Tanzania

EMPLOYMENT RECORDS

Year	Employer	Station	Title of work/post
June 22 2018 up to date	Tanzania Agricultural Research Institute - (TARI) under Ministry of Agriculture	Institute TARI - Ukiriguru Tanzania Agricultural Research Institute	Cotton entomology Technician I

July 2014 to 21 June 2018	Tanzania Agricultural Research Institute - (TARI) under Ministry of Agriculture	Institute TARI - Ukiriguru Tanzania Agricultural Research Institute	Cotton Fibre Technician I
April 2013 to June 2014	Department of Research and Development under Ministry of Agriculture	Lake Zone Agricultural Research Institute (LZARDI)– Ukiriguru	GIS and Remote sensing Technician I
2012 to March 2013	Department of Research and Development under Ministry of Agriculture	Lake Zone Agricultural Research Institute (LZARDI)– Ukiriguru	Cotton Fibre Technician II
May to December 2011	Director of Njombe district	Njombe District Council	Land use planner Technician II

COURSE AND TRAINING ATTENDED

Year	Name of the Company/ Institute	Courses attended
6 th to 10 th February 2012	TARI – Ukiriguru Cotton fibre research laboratory)	Collection and testing of cotton lint samples collected from the different stages of trials from Primary trials to multiplication of breeder seeds in order to evaluate the quality of cotton fibers before to release of cotton seed varieties, Also collection and testing of cotton lint samples from the Ginneries of western cotton growing areas and Eastern cotton growing Areas in Tanzania. By using a single stand equipments
18 th March to 1 st April 2013,	Tanzania Bureau Standards (Ubungo Dar es salaam)	Testing and Evaluation of cotton lint samples of fibre quality by using of new Instrument known as HVI version 1000.HIGH VOLUME INSTRUMENT.
8 th to 15 th July 2017	Mwanza Textiles co.ltd (MWATEX) Mwanza Tanzania	Quality Control of Testing Equipment for Textile i.e Raw materials (cotton) mixing and preparation from blow room, carding, pre comber drawing, lap former, comber, finisher drawing, simplex, spinning, auto cone winding of Textile testing & Quality control in each stages of productions of textile products.

14 th June to 2 nd July 2018	Tanzania Cotton Board (Dar es salaam and Shinyanga Tanzania) Cotton fibre laboratories	Testing and Evaluation of cotton lint samples of fibre quality by using of new Instrument known as HVI version 1000.HIGH VOLUME INSTRUMENT
15 th October to 14 th December 2018	The South India Textile Research Association Coimbatore India	<p>Textile Testing and Quality Control.</p> <p>Introduction of textile industry, Classification of Textile material, Raw materials for textiles, Raw material purchase, Fibre properties and their evaluation, General Textile process, Yarn numbering systems, Sampling techniques. Trash, Maturity and Fineness. High Volume Instrument (HVI) and Advance ,Fibre Information System (AFIS).Man Made fibre and Natural fibre. Textile Moisture. Maintenance management in spinning. Yarn strength, Yarn Evenness, Yarn Hairiness and TPI. Classmate fault analysis. Fibre properties. Yarn faults and Package defects Process control in Spinning, fibre yarn relationship. Analysis and Interpretation of Textile testing Data. Modern Development in Spinning. Polymer Chemistry, Nanotechnology in Textiles. Introduction to weaving and knitting Process/Quality control in weaving and knitting fibre identification, blend analysis and other quality parameters. Colour fastness and performance related parameter. Chemical processing. Water and Effluent analysis. Warp and knitting application. Defects analysis in textile products. Introduction to Technical textiles. Garment making Technology. Medical textile avenues and Eco friendly Textile. Environment and Textile industry. Quality system and QC practices in textile mills.</p>

Field Practical Experiences

- ❖ A two months field practical training at Kasiyabone village, Lungwe District in Mbeya Region. A practical was concerned with provision of extension services to farmers.

Activities performed were

- Supervision construction of Irrigation Channels, concrete mixing, Slabs construction.
- Reading of canal levels by using levels, theodolite
- Act as Extension Officer in Advising farmers, regarding Agriculture activities.
- Supervision of Rice trials for water management.
- Site survey for establishment of new canals.
- Mapping of land use planning of soils in Lungwe District in Tukuyu
- To train rural community on how to raise and maintain tree nurseries.
- To advice small scale farmers to adopt Agro forestry which improves the soil fertility and help them to get firewood and fodder for their Livestock.

- Help farmers to understand and practice different soil conservation measures eg; Contour vegetation strips, Alley cropping, Terraces, Intercropping and Water harvesting.
 - To visit farmers and advice them on proper land use planning for sustainability of the environment and their farms.
 - Environmental conservation through tree planting to protect soil erosion and sensitize village women group formation in agricultural activities.
 - Help farmers on how to plan and write project proposals in order to get loan for establishment of their projects.
 - Help farmers to get market for their farm products. Advising farmers on improved agricultural techniques. Use of improved seeds, the use of fertilizers, and the importance of row crop planting and different uses of insecticides.
- ❖ Eighty months field practical was concerned with provision of land use planner services to society at Njombe district council.
- Site survey for establishment of new settlements
 - Mapping of land use planning
 - Training farmers on how to conserve the environment and proper land use planning for sustainability of their farms
 - Reading of canal levels
 - Pegging of irrigation canals and leveling of canals
 - Assessment of land use types, soils and linkage between soils and biodiversity along the slopes of river Ruhuji Njombe
 - Environmental Assessment of land, soils and agriculture for Forestry Development of Njombe district.
 - Training villagers farmers on Land Use Planning.

One year Worked as GIS and Remote sensing Technician I Duties and responsibilities

- Also assisting researches to establish and management of experimental trials and data collection
- Collect verification data on the ground, using equipment such as global positioning receivers, digital cameras, or notebook computers.
- Maintain records of survey data and Calibrate data collection equipment.
- Document methods used and write technical reports containing information collected.
- Collect verification data on the ground, using equipment such as global positioning receivers, digital cameras, or notebook computers.
- Verify integrity and accuracy of data contained in remote sensing image analysis systems.
- Operate airborne remote sensing equipment, such as survey cameras, sensors, or scanners.
- Monitor raw data quality during collection and make equipment corrections as necessary.
- Develop or maintain geospatial information databases.
- Collaborate with agricultural workers to apply remote sensing information to efforts to reduce negative environmental impacts of farming practices.

Six years I worked as Cotton Fibre Technician I Duties and responsibilities performed as

- Sampling and collection of lint sample from the Western and Eastern cotton ginneries
- Sampling and collection of cotton breeding materials lint samples, from cotton breeding sub section
- Coding of lint sample materials
- Conditioning of lint sample materials
- Testing of cotton lint samples quality traits by using stand-alone equipment such as digital fibro-graph, stelometer, micromat, nep tester and wira cotton
- Testing of cotton lint samples quality traits by using High Voltage Instrument (HVI) machine
- Analysis and interpretation of data results generated by HVI machine
- Processing of cotton fibre by using miniature card machine to produce lap, as well as miniature draw frame to produce carded sliver, miniature ring frame to generate yarns
- Testing of fibre length, strength, fineness, maturity, trash, and moisture
- Testing of yarn lea strength evenness, appearance, twist and hairiness
- Testing of Fabric tensile strength, Tear strength, Bursting, Abrasion resistance, and air permeability.
- Chemical testing Blend uniformity, wax content, spin finish, Rubbing and wash fastness
- Interpretation of tested data; waste and waste control measures

Current duties and Responsibilities performed as Cotton Entomology Technician I

- Cotton entomology up to date
- Collecting of data in field scouring and counting of various pests in trials, e.g Aphids, jassids, cotton strainers, cotton blue bug, thrips, American bollworm, red bollworm, spiny/shooter boll worm, pink bollworm, leaf roller, lygus
- To test a various insecticides, spayers before distribution to farmers (formulation, spray mix)
- Training the Agricultural extensions its on how to use the various method on controlling sucking and chewing pests (Cultural, chemical, biological, resistance variety, behavior Control, genetic control
- Determining, the morphology, classification, identification method, collecting method and conservation method of various natural enemies like spiders, lacewing, predator Bugs, coccinelid beetle,
- Maintain or repair agricultural facilities, equipment, or tools to ensure operational Readiness, safety, and cleanliness. Like ULVA PLUS, knack sap spraying
- Also Assisting researches to establish and management of experimental trials and data Collection
- Prepare data summaries, reports, and analyses that include results, charts, and graphs in order to document research findings and results.
- Plant seeds in specified areas, and count the resulting plants in order to determine the percentage of seeds that germinated.
- Supervise pest or weed control operations including locating and identifying pests or

Weeds, selecting chemicals and application methods, scheduling application, and training operators.

- Conduct insect surveys, and supervising routine spraying in all trials at the institute (cotton breeding, cotton agronomy, cotton pathology, cotton entomology trials)
- Perform supervision crop production duties such as planting, gap filling, weeding, slashing around field trials, application of fertilizer, application of insecticides and harvesting crops and others practices in trials.
- Devise cultural methods and environmental controls for plants for which guidelines are sketchy or nonexistent.
- Train farmers on different techniques on how to pesticides application in cotton, good spraying practices, good nozzle for cotton spraying, time of application of insecticides, climatic condition dosage and application rates, what kind of insecticides of target pest without to affect non target pest, kind of sprayers to be used (calibration of pesticides application equipments) relationships between insecticides and hearth safety of human being
- Prepare quarterly report reports.
- Record environmental data from field samples of pests to monitor the effectiveness of integrated pest management (IPM) practices.

Referees

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