

## CONSTRUCTION OF KIENYEJI CHICKEN STRUCTURES

**UNIT CODE:** 0732 241 01A

**TVET CDACC UNIT CODE:** POL/CU/KE/CR/01/3/MA

### Relationship to Occupational Standards

This unit addresses the Unit of Competency: Construct *Kienyeji* Chicken Structures

**Duration of Unit:** 100 hours

### Unit Description

This unit specifies the competencies required to construct kienyeji chicken structures. It involves preparations to construct Kienyeji chicken structures, construction of Kienyeji chicken structures and equipping the Kienyeji chicken structures.

### Summary of Learning Outcomes

By the end of this unit, the learner should be able to:

S/No	Learning Outcomes	Duration (Hours)
1.	Prepare to construct <i>Kienyeji</i> chicken structures	40
2.	Construct <i>Kienyeji</i> chicken house structures	40
3.	Equip <i>Kienyeji</i> chicken house	20
<b>Total</b>		<b>100</b>

### Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Prepare and plan to construct <i>Kienyeji</i> chicken structures	1.1. Personal Protection Equipment and Apparel (PPEs) required in Kienyeji chicken house construction. 1.2. Occupational safety and health procedures in Kienyeji chicken house	Written tests Observation Oral questions Third party report

	<p>construction.</p> <p>1.3. Structures site preparation</p> <p>1.4. Types of Kienyeji chicken structures</p> <p>1.5. Factors determining type of <i>Kienyeji</i> chicken house</p> <p>1.5.1. Type of birds</p> <p>1.5.2. Production system</p> <p>1.5.3. Cost</p> <p>1.5.4. Climatic conditions</p> <p>1.6. Construction materials</p> <p>1.6.1. Types</p> <p>1.6.2. Quality</p> <p>1.6.3. Storage</p> <p>1.7. Construction records</p>	
<p>2. Construct and install <i>Kienyeji</i> chicken house structures</p>	<p>2.1 <i>Kienyeji</i> chicken house layout</p> <ul style="list-style-type: none"> <li>✓ Area measurement</li> <li>✓ Pegging</li> </ul> <p>2.2 <i>Kienyeji</i> chicken house foundation</p> <ul style="list-style-type: none"> <li>✓ Excavation</li> <li>✓ Mixing ratios of mortar</li> <li>✓ Stone laying</li> </ul> <p>2.3 Construction of <i>Kienyeji</i> chicken house parts</p> <ul style="list-style-type: none"> <li>✓ Floor</li> <li>✓ Wall</li> <li>✓ Roof</li> </ul> <p>2.4 Construction of Security and Biosecurity measures</p>	<ul style="list-style-type: none"> <li>• Written tests</li> <li>• Observation</li> <li>• Oral questions</li> <li>• Third party report</li> <li>• Project and report writing</li> </ul>

	<ul style="list-style-type: none"> <li>• Footbath</li> <li>• Predators barriers</li> <li>• vehicle and human traffic controls</li> </ul> <p>2.5 Construction of accessory structures</p> <ul style="list-style-type: none"> <li>• Perches</li> <li>• Laying boxes</li> <li>• Brooder</li> </ul> <p>2.6 Kienyeji poultry waste management structures.</p> <p>2.7 Site waste material disposal</p> <ul style="list-style-type: none"> <li>• Importance</li> <li>• Debris disposal</li> </ul> <p>2.8 Work inspection</p> <p>2.9 Critical house requirements</p>	
3. Equip <i>Kienyeji</i> chicken house	<p>3.1 Equipment and material necessary in a <i>Kienyeji</i> chicken house</p> <ul style="list-style-type: none"> <li>• Feeders</li> <li>• Waterers</li> <li>• Heaters</li> <li>• Coolers</li> </ul> <p>3.2 Installation of movable poultry house structures</p> <p>3.3 Factors considered in installation of equipment and materials in <i>Kienyeji</i> chicken house</p> <ul style="list-style-type: none"> <li>• Time</li> <li>• pattern</li> <li>• Safety precautions</li> </ul>	<ul style="list-style-type: none"> <li>• Written tests</li> <li>• Observation</li> <li>• Oral questions</li> <li>• Third party report</li> <li>• Interviewing</li> <li>• Project and report writing</li> </ul>

	<ul style="list-style-type: none"> <li>• Number of birds</li> </ul>	
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### Suggested Methods of Instruction

- Demonstration
- Practice by the trainee
- Field trips
- Discussions
- Direct instruction
- Case studies
- Simulation
- Audio-visual aids
- Modelling

### Recommended Resources

Functional <i>Kienyeji</i> chicken farm with the following:		
<ul style="list-style-type: none"> <li>• <i>Kienyeji</i> chicken house</li> <li>• Equipments               <ul style="list-style-type: none"> <li>• Waterers</li> <li>• Feeders</li> <li>• Bedding materials</li> <li>• Grit / shell container</li> <li>• Sand bath</li> </ul> </li> <li>• Accesory structures</li> </ul>	<ul style="list-style-type: none"> <li>• Sand</li> <li>• Saw</li> <li>• Stones</li> <li>• Cement</li> <li>• Ballast</li> <li>• Timber</li> <li>• Slashers</li> <li>• Crowbar</li> </ul>	<ul style="list-style-type: none"> <li>• Hammer</li> <li>• Nails</li> <li>• Wooden pegs</li> <li>• Tape measures</li> <li>• Barbed/chain link</li> <li>• Hoe</li> <li>• Shovels</li> <li>• Wheel barrow</li> </ul>