Supplementary File S1

Semi-Structured Interview Guide for Ethnobotanical Data Collection

Study Title

Ethnoveterinary Medicinal Plants for Infectious Disease Management in Livestock: Practices, Evidence, and Research Gaps from Kulbo Forest, Southwest Ethiopia

Introduction to Respondents

This interview is conducted for academic research purposes only. The aim is to document indigenous knowledge on medicinal plants used for human and livestock health management. Participation is voluntary, and all information will be kept confidential and anonymous.

Section I: Socio-Demographic Information

- Name (optional): _____
- Sex: ☐ Male ☐ Female
- Age: _____
- Occupation: _____
- Kebele: _____
- Village: _____
- Educational level: ☐ Illiterate ☐ Elementary ☐ Secondary ☐ Higher
- Religion: _____
- Marital status: _____
- Ethnicity: _____
- Years lived in the area: _____
- Interview time: From _____ to _____

Section II: Household Characteristics

- Farming experience (years): _____
- Household size: _____
- Farm size (ha): _____
- Annual income (ETB): _____
- Number of livestock: _____

Section III: Ethnobotanical Knowledge

3.1 Medicinal Plants Used for Human Diseases

Plant Name	Disease Treated	Part Used	Growth Form	Habitat	Application Method	Preparation Method	Dosage	Side Effects/Antidotes	Other Uses	Voucher/Collection No.

Perceived threats: _____

3.2 Medicinal Plants Used for Livestock Diseases

Plant Name	Disease Treated	Part Used	Growth Form	Habitat	Application Method	Preparation Method	Dosage	Side Effects/Antidotes	Other Uses	Voucher/Collection No.

Perceived threats: _____

3.3 Medicinal Plants Used for Both Human and Livestock

Plant Name	Disease Treated	Part Used	Growth Form	Habitat	Application Method	Preparation Method	Dosage	Side Effects/Antidotes	Other Uses	Voucher/Collection No.

3.4 Indigenous Knowledge Systems

1. How do you traditionally classify soils, landscapes, and vegetation in your area?
2. Are medicinal plants more frequently used than modern medicine? ☐ Yes ☐ No
    - If yes, why? _____
3. How is traditional medicinal knowledge transferred to younger generations?

Section IV: Use and Application of Medicinal Plants

1. Do you believe plants can be used as medicine? ☐ Yes ☐ No
    - If yes, explain: _____
2. Are medicinal plants marketable? ☐ Yes ☐ No
3. Preferred season for collection: ☐ Wet ☐ Dry ☐ Year-round
4. Sources of medicinal plants: ☐ Home garden ☐ Wild ☐ Farmland
5. Availability compared to the past: ☐ Increased ☐ Decreased ☐ No change ☐ Don't know
    - Reason: _____
6. Accessibility: ☐ Easy ☐ Difficult
    - If difficult, why? _____
7. How are medicinal plants managed and conserved locally?

Section V: Challenges and Threats

1. Are there taboos or restrictions in collecting medicinal plants? ☐ Yes ☐ No
    - If yes, describe: _____
2. Are there taboos in using medicinal plants? ☐ Yes ☐ No
    - If yes, explain: _____
3. Is modernization affecting traditional medicine? ☐ Yes ☐ No
4. Major threats: ☐ Agricultural expansion ☐ Firewood ☐ Charcoal ☐ Construction ☐ Overharvesting ☐ Other: _____

5. Most threatened medicinal plant species: _____

Section VI: Key Informant Interview (Ranking and Preference)

1. Common human diseases: _____
2. Common livestock diseases: _____

A. Preference Ranking (Human Medicinal Plants)

Plant Species	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	Total Score	Rank

B. Preference Ranking (Livestock Medicinal Plants)

Plant Species	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	Total Score	Rank

C. Direct Matrix Ranking (Multipurpose Plants)

Plant Species	Medicine	Food	Firewood	Construction	Other	Total Score	Rank

D. Pairwise Comparison

Plant Pair	Preferred Species	Score	Rank

E. Threat Ranking

Threat Factor	R1	R2	R3	R4	R5	Total Score	Rank

Note: R1–R10 represent selected key informants.

Section VII: Market Survey

- Date: _____
- Location: _____
- Vendor type: ☐ Permanent ☐ Temporary
- Plants sold: _____
- Plant parts used: _____
- Condition: ☐ Fresh ☐ Dried ☐ Powdered
- Availability (season/month): _____
- Trend: ☐ Increased ☐ Decreased ☐ No change
- Affordability: _____
- Main buyers: _____

Section VIII: Focus Group Discussion

1. Common human diseases

2. Common livestock diseases
3. Medicinal plants used
4. Preparation methods (crushing, boiling, extraction, etc.)
5. Conservation practices
6. Knowledge transfer mechanisms
7. Sustainability recommendations

Section IX: Observation Checklist

- Plant species observed (local name)
- Habitat and growth form
- Morphological characteristics
- Plant parts used
- Home garden presence
- Conservation practices

Field Identification Information

- Study area: Kulbo Forest, Maji District
- Community/Village: _____
- Interviewer: _____
- Date: _____
- Time: _____