

# FACULTY OF AGRICULTURE AND ANIMAL SCIENCES DEPARTMENT OF AGRIBUSINESS AND EXTENTION

# THE PERCEPTION OF SMALLHOLDER FARMERS ON VILLAGE SAVINGS AND LOAN ASSOCIATIONS ON PRODUCTIVITY OF ARABICA COFFEE IN BUYOBO SUB-COUNTY, SIRONKO DISTRICT

BY

# NAFUNA REBECCA REG. NO: BU/UP/2021/0215

E-mail: nafunarebecca@gmail.com

# SUPERVISOR: MR. OKIROR SIMON PETER

A SPECIAL PROJECT RESEARCH REPORT SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND EXTENSION IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF BACHELOR OF AGRIBUSINESS OF BUSITEMA UNIVERSITY

**OCTOBER 2024** 

# DECLARATION

I hereby declare that this content is truly my original work and it has never been submitted to any
institution for any academic award.
ma*
Sign Date 04 11 2024
Nafuna Rebecca
BU/UP/2021/0215

# APPROVAL

The research was conducted and completed under close super	rvision of my	academic super	rvisor
and it been submitted to the department of Agribusiness an	nd Extension	with approval	of my
academic supervisor.			

Sign: ....

Date: 0#\ 11\(\rac{2024}{}

Mr. Okiror Simon Peter

Academic Supervisor

## **DEDICATION**

I dedicate this research to my lovely parents Mr. Gutaka Willison Woniala and Mrs. Gutaka Loy who have been there for me throughout this academic journey. May God bless you abundantly.

#### **AKNOWLEDGEMENTS**

I thank the Almighty God for the far He has brought me. I extend my sincere gratitude to my parents, friends and classmates for the continuous support they have given me and the encouragement always that they have given me.

I also thank my academic supervisor, Mr. Okiror Simon Peter for the support and guidance throughout this research. Am really grateful to God for all your efforts towards the accomplishment of this study.

Special thanks go to the Christian Union family of Busitema University Arapai Campus for the spiritual support and the mentorship they have given me throughout my stay at this University. You are really a special family to me and may God bless you all.

## TABLE OF CONTENTS

DECLARATION	i
APPROVAL	ii
DEDICATION	iii
AKNOWLEDGEMENTS	iv
LIST OF TABLES	vii
LIST OF FIGURES	viii
LIST OF ABBREVIATIONS AND ACRONYMS	ix
ABSTRACT	x
CHAPTER ONE	1
1. INTRODUCTION	1
1.1 Background	1
1.2 Problem statement	5
1.3 Research objectives	6
CHAPTER TWO	9
2. LITERATURE REVIEW	9
2.1 Access to finances among smallholder farmers by VSLAs	9
2.2 Utilization of finances from VSLAs	10
2.3 Participation in VISLAs	11
CHAPTER THREE	13
3. METHODOLOGY	13
3.1 Research design	13
3.2 Research approaches	13
3.3 Study area description	13
3.4 Population description	14
3.5 Sampling strategies	14
3.6 Data collection methods	14
3.7 Determination of the sample size.	15
3.8 Data analysis	15
3.9 Ethical considerations	15

4. PRESENTATION AND DISCUSION OF RESULTS	16
4.1 Presentation of the study findings	16
4.2 Arabica coffee production and productivity	18
4.3 Participation in VSLA	20
4.4 Level of access to financial services from VSLAs	23
4.5 Utilization of finances from VSLAS	24
4.6 Discussion of results	25
CHAPTER FIVE	29
5. CONCLUTIONS AND RECOMMENDATIONS	29
5.1 Conclusions	29
5.2 Recommendations	29
REFERENCES	30
APPENDICES	34
APENDIX 1: RESEARCH QUESTIONNAIRE	34
Qnr. No	34
Effect of VSLA on Productivity of Arabica Coffee in Buyobo Sub-County, Sironko District	34
INTRODUCTION	34

# LIST OF TABLES

Table 1: Social demographic characteristics (categorical)	16
Table 2:Social demographic characteristics (discrete/continuous)	17
Table 3: Arabica production and productivity	19
Table 4: participation in VSLAS	21
Table 5: Amount saved per meeting and time spent in VSLAs	22
Table 6: How finances from VSLAs are used for coffee production	25

## LIST OF FIGURES

Figure 1: Map of Uganda showing coffee varieties grown in different regions (Miriti et al., 2023)	1
Figure 2: Global coffee production (million 60 kg bags) from 2003/04 to 2021/22 (Statista, 2024)	2
Figure 3: A line graph showing the production of Arabica and Robusta coffee (metric tons) in Uganda	
from 2021- 2023 (Miriti et al., 2023)	3
110111 2021 - 2023 (Milita et al., 2023)	
Figure 4: A conceptual framework for the relationship between village savings and loan associations and	[

#### LIST OF ABBREVIATIONS AND ACRONYMS

FY Financial Year

GOU Government of Uganda

ICO International Coffee Organization

Mt Mount

MY Market Year

NGO Non-government Organization

UCDA Uganda Coffee Development Authority

UCF Uganda Coffee Federation

UGX Uganda Shillings

US\$ United States Dollar

VSLA Village savings and loan associations

#### **ABSTRACT**

Coffee is a significant cash crop in Uganda's economy and village savings and loan associations (VSLAs) are self-managed community-based savings group that provide sustainable and affordable financial solutions to smallholder farmers. This study focuses on assessing the effect of VSLAs on the productivity of Arabica coffee among smallholders in Buyobo sub-county, Sironko District. A cross-sectional research design was used to collect both qualitative and quantitative data from 120 randomly selected respondents (80 male and 40 female). Descriptive statistics was generated from cleaned, coded and entered into Microsoft excel and analyzed using SPSS version 25. Results of this study show that few people participate in VSLAs (38.8%) and most people were not participants in VSLAs (74.2%). The study also revealed that among the people who participated in VSLAs (n=46), 71.1% mentioned the benefit they get from VSLAs as access to credit, 17.4 % got a benefit of savings and those who had a benefit of trainings in the group were (10.9%). This study indicated that n=46 who were in VSLAs, n=44 were able to access financial services from VSLAs (95.7%) and 4.3% were unable to access financial services from the VSLAs. The findings from this study showed that among the n=44 who cultivated coffee and were in VSLAs, the majority used the finances got from VSLAs for coffee production (72.7%) and they majorly invested in purchase of farm inputs (78.1%), labour payment (3.1%) and also post-harvest handling (18.8%). In conclusion, it is perceived that those who were in VSLAs were able to access finances that help then to invest in their coffee hence increased production.

#### **CHAPTER ONE**

#### 1. INTRODUCTION

#### 1.1 Background

Coffee is one of the crucial commodities for Uganda's agricultural sector, contributing to domestic and foreign earnings in the country (Uganda Coffee Development Authority [UCDA], 2019; Wang et al., 2015). Uganda's coffee industry has a long history dating back to the early 20<sup>th</sup> century when coffee was introduced as a cash crop by the British colonialists (International Coffee Organization [ICO], 2019). Uganda produces both Arabica and Robusta coffee varieties (Miriti et al., 2023; Wang et al., 2015). Arabica coffee (*Coffea arabica*) is mostly grown in the highlands of Mt. Elgon in Eastern Uganda (Mbale, Namisindwa, Manafwa, Bududa, Sironko, Bulambuli, Kapchorwa, Kween, and Bukwo); in Western and Southwestern Uganda (Kabarole, Kasese, Kabale, Rubanda, and Kisoro); and in Northwestern Uganda (West Nile) in the areas of Yumbe, Arua, Nebbi, and Zombo (**Figure 1**). On the other hand, Robusta coffee (*Coffea canephora*) is predominantly grown in Central Uganda in the areas of Mubende, Luwero, Mukono, Mityana, and Mpigi (Miriti et al., 2023). It is also produced in Northern Uganda, in the areas of Gulu, Oyam, Apac, Kole, and Lira.

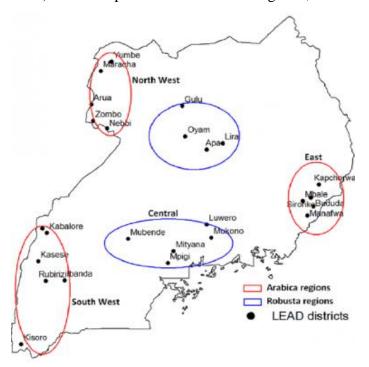


Figure 1: Map of Uganda showing coffee varieties grown in different regions (Miriti et al., 2023).

#### REFERENCES

- ACDI. (2020). Gender assessment of women participation in village savings and loans associations (VSLAs).
- Adong, L. (2013). The role of poor-led savings and micro-credit scheme in the socio- ecoomic empowerment of rural women in Uganda: A case study o Village Savings and Loan Associations (VSLAs) in Nwoya District.
- Alerigesane, A. A. (2012). A comparative study of the credit with education (CWE) and the village savings and loans (VSLA) methodologies of microfinance services on rural livelihoods. Unpublished: M. Phil; University of Ghana, Legon.
- Alesane, A., Yussif, K., & Tetteh Anang, B. (2019). Determinants of Village Savings and Loans Association membership and savings amounts in Awutu Senya West District of Ghana. *Cogent Economics and Finance*, 7(1). https://doi.org/10.1080/23322039.2019.1707004
- Banerjee, A., Duflo, E., Glennerster, R., & Kinnan, C. (2015). The miracle of microfinance? Evidence from a randomized evaluation. *American Economic Journal: Applied Economics*, 7(1), 22–53. https://doi.org/10.1257/app.20130533
- Beyene, N. L., & Dinbabo, M. F. (2018). Assessment on the Effects of Village Savings and Loan Associations (VSLA) on Poverty Reduction in Hawassa, Ethiopia. http://etd.uwc.ac.za/
- Brannen, C., & Sheehan-Connor, D. (2016). Evaluation of the impact of Village Savings and Loan Associations using a novel survey instrument. *Development Southern Africa*, *33*(4), 502–517. https://doi.org/10.1080/0376835X.2016.1179097
- Busingye, K. S. (2015). A case study of a village saving and loan association and its relation to poverty reduction among rural households in Kyabakara, Uganda. Master thesis (unpublished): University of Agder, Norway.
- CARE. (2020). The influence of savings groups on women's public participation in fragile and conflict-affected settings.
- Damien Habumuremyi, P., Habamenshi, V., Mvunabo, G., & Officer at Tubibe Amahoro, F. (2019). Village Savings and Loan Associations and Social Economic Development of Poor Households in Rwanda. A Case of Murundi Sector (2015-2019). In *International Journal of Research in Economics and Social Sciences*. http://www.euroasiapub.org
- Deus, M. (2020). Village Savings and Loan Associations (VSLA) and socio economic

- empowerment of vulnerable people in Kamuganguzi sub-county in Kabale district, Kabale university.
- Hlavackova, P., & Brezina, D. (2015). Benefits of the forest enterprise for the regional economy. In *Proceedings Icabr 2015: X. International Conference on Applied Business Research*.
- ICO. (2019). International coffee council.
- James, K., & Billy, A. (2015). Impact of women empowerment through community savings groups on the wellbeing of their families.
- Judith, A., & Tom, O. (2022). Contribution of Village Saving and Loan Association (VSLA) to Household Welfare Improvement in Kole District- Northern Uganda. *European Journal of Business and Management*. https://doi.org/10.7176/ejbm/14-10-01
- Kapoor, A., & Kanwar, P. (2015). A brief account of women empowerment through self-help groups-A case study. In *Himachal Journal of Agricultural Research* (Vol. 41, Issue 1).
- Karlan, D., Savonitto, B., Thuysbaert, B., & Udry, C. (2016). *Impact of savings groups on the lives of the poor*. https://doi.org/10.7910/DVN/EJTYHC
- Kaur, L., Garg, L., & Sharma, P. (2017). Impact of Self-help Groups in Enhancing Farm Women Income. In *Indian Journal of Economics and Development* (Vol. 13). www.soed.in
- Miriti, M., Snyder, M., & Scott, R. (2023a). *United States Department of Agriculture. coffee annual report Uganda*. https://www.coffeebeansafrica.com/about/coffee-farming-facts/
- Miriti, M., Snyder, M., & Scott, R. (2023b). *United States Department of Agriculture (USDA)*. *coffee annual report Uganda*. https://www.coffeebeansafrica.com/about/coffee-farming-facts/
- Moyo, D., & Chinoda, T. (2022). Impact of Village Savings and Loan Associations on Food Security in Zimbabwe: A Case Study of Marange Community in Mutare District. In *International Journal of Research and Innovation in Social Science*. www.rsisinternational.org
- Nnama-Okechukwu, C. U., Okoye, U. O., Obikeguna, C., Onalu, C. E., Agha, A. A., Eneh, J., Ogbu, A. I., Erhunwunse, E. A., Nwanze, A. A., & Okunsanya, T. (2019). An impact study of the village savings and loan association (VSLA) in Nigeria. *Etude de La Population Africaine*, 33(2), 4901–4912. https://doi.org/10.11564/33-2-1405
- Odeke, M. (2019). The effect of government expediture on agricultural output in Uganda. A case study at Uganda Coffee Development Authority (UCDA). B.Sc. research report: Kampala

- International University (KIU), Uganda.
- Ogundeji, B. A., Olalekan-Adeniran, M. A., Orimogunje, O. A., Awoyemi, S. O., Yekini, B. A., Adewoye, G. A., & Bankole, I. A. (2019). Climate Hazards and the Changing World of Coffee Pests and Diseases in Sub-Saharan Africa. *Journal of Experimental Agriculture International*, 1–12. https://doi.org/10.9734/jeai/2019/v41i630429
- Okello, T., & Mwesigwa, D. (2022). Analysing the significance of village savings and loan association (VSLA) to community development in Uganda. In *IJISET-International Journal of Innovative Science*, *Engineering & Technology* (Vol. 09). www.ijiset.com
- Olive, L. (2020). Impact of village savings and loan associations in the economic development and people's livelihoods in Malawi. Griffith College.
- Scholarworks, S., & Lanidune, J. (2021). Exploring Financial Inclusion With Village Savings and Loan Exploring Financial Inclusion With Village Savings and Loan Associations in Ghana's Wa-West District Associations in Ghana's Wa-West District. https://scholarworks.waldenu.edu/dissertations
- Sharma, A., Zhao, H., & Phillips, D. (2017). Study of village savings and loans associations (VSLAs) and their ability to address credit needs of smallholder farmers in southern Tanzania.
- Tinsley, E., & Agapitova, N. (Eds. . (2018). Private sector solutions to helping smallholders succeed. social enterprise business models in the agriculture sector. Washington, D.C., USA: The World Bank.
- UCDA. (2022). UCDA 2022.
- UCDA, U. C. D. A. (2023). UCDA monthly report-August 2023 Key Highlights Quantity Value.
- UCF, U. C. F. (2022). *The Greater Masaka Coffees Coffee Yearbook*. www.spedaginterfreight.com
- Uganda Coffee Development Authority, U. (2019). Arabica coffee handbook. A sustainable coffee industry with highs stakeholder value for social economic transformation. Kampala, Uganda: The Minstry of Agriculture, Animal Industry and Fisheries (MAAIF).
- Verter, N., Bamwesigye, D., & Darkwah, S. A. (2015). *Analysis of Coffee Production and Exports in Uganda*. https://www.researchgate.net/publication/293472852
- Wang, N., Jassogne, L., van Asten, P. J. A., Mukasa, D., Wanyama, I., Kagezi, G., & Giller, K. E. (2015). Evaluating coffee yield gaps and important biotic, abiotic, and management factors

limiting coffee production in Uganda. *European Journal of Agronomy*, 63, 1–11. https://doi.org/10.1016/j.eja.2014.11.003