

# AUTHENTIC LEADERSHIP, STAKEHOLDER ENGAGEMENT AND SUSTAINABILITY OF DONOR FUNDED WATER PROJECTS: A CASE OF LAMWO DISTRICT IN UGANDA

BY

# A DISSERTATION SUBMITTED TO THE DIRECTORATE OF GRADUATE STUDIES, RESEARCH AND INNOVATIONS IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF MASTERS IN BUSINESS ADMINISTRATION DEGREE OF BUSITEMA UNIVERSITY

FEBRUARY, 2024 PLAN A

### DECLARATION

### **DECLARATION**

I, Alupo Thereza hereby declare that this is my original work and to the best of my knowledge has never been submitted for the award of a Masters in Uganda in any other institution of higher learning unless other otherwise acknowledged.

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### APPROVAL

### APPROVAL

This is to certify that this dissertation is submitted with our approval as university supervisors.

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### DEDICATION

I dedicate this research report to my family, research supervisors and all my lecturers of Busitema University and friends. They have been such a strong support; I love you all and continue to believe that this journey yields success at the end.

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## LIST OF ACRONYMS

CVI	Content Validity Index
GOU	Government of Uganda
JICA	Japan International Cooperation Agency
MDG	Millenium Development Goal
MWE	Ministry of Water and Environment
NGO	Non-Governmental Organization
SDG	Sustainable Development Goal
SNV	Stichting Nederlandse Vrijwilligers
SPSS	Statistical Package for Social Scientists
UNICEF	United Nations Children's Fund
WSC	Water Source Committees

### ABSTRACT

The purpose of this study was to examine the mediation role of stakeholder engagement on the relationship between authentic leadership and sustainability of donor funded water projects in Lamwo District in Uganda. A cross sectional design was adopted. A population of 103 donor funded water projects with a sample of 82 water projects was selected. The study targeted 164 respondents from the 82 water projects. Simple random sampling technique was used. Usable questionnaires were collected and analyzed representing (81.5%) response rate. The data was tested for reliability and validity. It was analyzed using statistical package for social scientists (SPSS). regression findings revealed that there was significant positive effect of stakeholder engagement, and authentic leadership on sustainability of donor funded water projects. Regression findings revealed that stakeholder engagement and authentic leadership are significant predictors of sustainability of donor funded water projects while authentic leadership was found to be a significant predictor of stakeholder engagement. The findings also showed that Stakeholder Engagement plays a significant mediating effect in the relationship between Authentic Leadership and Project Sustainability. Based on the study results, it is recommended that there is need to improve on the authenticity of leaders of water user committees and at the same time ensure the engagement of water stakeholders in Lamwo district so as to enhance the community members' willingness and ability to consistently and adequately save money through strategic tools like community saving schemes for effective water facility maintenance to ensure consistent functioning of the water facility. This ensures frequent updates are provided by the water source committee during every community meeting of the amount of collected, used and the funds still available for water source maintenance which will in-turn encourage the beneficiaries to always physically take part or contribute monies for water source maintenance activities that will ensure consistent functioning of their water facility.

#### **CHAPTER ONE**

### **INTRODUCTION**

### 1.1 Background of the study

Water is essential to sustainable development and the basis of livelihoods. Thus, one of the main goals of the Millennium Development Goals (MDGs) is to achieve long-term sustainability of the water supply (UNESCO, 2020). This is because attaining Sustainable Development Goal (SDG) 6, which aims to guarantee the availability and sustainable management of water and sanitation for all, would depend on effective water management (United Nations, (UN, 2020). However, about 771 million (1 in 9) people worldwide still lack access to safe and clean safe water and 50% of them live in Africa (World Health Organization, (WHO, 2021). This is due to the continuous inadequate equipping of rural water source committees (WSCs) by the water source erectors to be able effectively manage their water sources, which in-turn leads to irregular servicing, frequent breakdowns and delayed repairs (SNV, 2020).

#### **Historical Background**

The long-term viability of initiatives (sustainability) for community development programs in sub-Saharan Africa has been poor over the years, and yet to meet their communities' needs, community development programs need greater internal capacities and more meaningful relationships with a broader range of stakeholders (USAID, 2019). The water supply sector in Uganda, for example, set a target to increase access to water supply services from 65% in 2010 to 100% by 2035. However as of 2020, the Ministry of Water and Environment (MWE, 2020) reported that access to water supplies was still just 68% for rural areas. This shows that water supply development has not been sustainable to achieve the desired goals in a period of more than 10 years. Notably in Northern Uganda, a survey conducted by the World Bank (2020)

#### REFERENCES

- Abu-Bader, S., & Jones, V. T. (2021). Statistical Mediation Analysis using the Sobel Test & Hayes SPSS Process Macro, International Journal of Quantitative and Qualitative Research Methods Vol.9, No.1, pp.42-61, 2021
- Aga, D., A., Noorderhaven, N., & Vallejo, B. (2018). Project beneficiary participation and behavioural intentions promoting project sustainability: The mediating role of psychological ownership. *Development Policy Review*, 36(5), pp. 527-546.
- Agyeman, J. (2005). Sustainable communities and the challenge of environmental justice. New York Unversitry, New York.
- Ahmed, Z., Kumar, U., & Kumar, V. (2018), Managing critical success factors for IS implementation: A stakeholder engagement and control perspective. *Canadian Journal of Administrative Sciences/Revue Canadienne des Sciences de l'Administration, 35(3)*, pp. 403-418.
- Amaeshi, K. M., & Crane, A. (2016). Stakeholder engagement: A mechanism for sustainable aviation. Corporate Social Responsibility and Environmental Management, 13, 245-260.
- Attanasio, G., Preghenella, N., De Toni, F., A., Battistella, C. (2021). Stakeholder engagement in business models for sustainability: The stakeholder value flow model for sustainable development, *Bus Strat Env. 2022; 31*:860–874.
- Baek, H., Han, K., & Ryu, E. (2019). Authentic Leadership, Job Satisfaction and Organizational Commitment: The Moderating Effect of Nurse Tenure, *Journal of Nursing Management*, 27 (8), DOI: 10. 111/jonm.12853.
- Bal, M., Bryde, D., Fearon, D., & Ochieng, E. (2013). Stakeholder Engagement: Achieving Sustainability in the Construction Sector. *Sustainability*,6, pp. 695-710.
- Baron, R., M., & Kenny, A. D. (1986). "The Moderator–Mediator Variable Distinction in Social Psychological Research: Conceptual, Strategic, and Statistical Considerations." *Journal* of Personality and Social Psychology, 51(6), pp. 1173-1182.
- Basit, A. (2020). Authentic Leadership and Openness to Change in Pakistani Service Industry, The Mediating Role of Trust and Transparent Communication. *International Journal of Human Resource Studies, 2020, Vol. 10*, No. 3.

- Benn, S., Dunphy, D. & Martin, A. (2009). Governance of environmental risk: New approaches to managing stakeholder involvement. *Journal of Environmental Management* 90(4), 1567–1575.
- Beycioglu, K., Ozer, N., & Ugurlu, C. T. (2012). Distributed leadership and organizational trust: the case of elementary schools. *Procedia-Social and Behavioral Sciences*, *46*, 3316-3319.
- Bizon-Górecka, J., & Górecki, J. (2017). Influence of selected stakeholders of construction investment projects on the course of project. *In IOP Conf. Ser. Mater. Sci. Eng, Vol. 245*.
- Blau, P. M. (1964). Exchange and Power in Social Life. New York: John Wiley & Sons, Social Forces, Vol. 44, Issue 1, pp. 352.
- Buba, S. P. G., & Tanko, B. L. (2017). Project leadership and quality performance of construction projects. *International Journal of Built Environment and Sustainability*, 4(2).
- Casey, D., & Sieber, S. (2016). Employees, sustainability and motivation: Increasing employee engagement by addressing sustainability and corporate social responsibility. *Res. Hosp. Manag.6*, pp. 69–76.
- Chen, C., Yu, Y., Osei-Kyei, R., Chan, A., P., C., & Xu, J. (2019). Developing a project sustainability index for sustainable development in transnational public-private partnership projects. *Sustainable Development, Vol 27*, pp. 1034-1048.
- Chughtai, A. (2018). Authentic leadership, career self-efficacy and career success: a cross-sectional study. *Career Development International*, 23(6/7), pp. 595-607.
- Civera, C., De Colle, S., & Casalegno, C. (2019). Stakeholder engagement through empowerment: The case of coffee farmers. *Business Ethics: A European Review*, 28(2), pp. 156-174.
- Creasy, T., & Anantatmula, V. S. (2013). From every direction How personality traits and dimensions of project managers can conceptually affect project success. *In Project Management Journal*. https://doi.org/10.1002/pmj.21372
- Creswell, J.W. (2014). Planning, Conducting and Evaluating Quantitative and Qualitative Research, *Educational Research: (4th Ed)*, Pearson Merrill Prentice Hall.
- Cronbach, L. J. (1950). Further Evidence on Response Sets and Test Design. *Educational and Psychological Measurement, Vol. 10*, pp.3-31.
- Cvetkovic-Vega, A., Maguiña, L., J., Soto, A., Lama-Valdivia, J., & Correa López, E. L. (2021). Cross-Sectional Studies, *Rev. Fac. Med. Hum. January 2021; 21(1)*:179-185.

- Dal Maso, L., Liberatore, G., & Mazzi, F. (2017). Value relevance of stakeholder engagement: The influence of national culture. *Corporate Social Responsibility and Environmental Management*, 24(1), 44-56.
- Datche, A. E., & Mukulu, E. (2015). The effects of transformational leadership on employee engagement: A survey of civil service in Kenya. *Journal Issues ISSN, 2350*, 157X.
- Demirtas, O., Hannah, S., T., Gok, K., Arslan, A., & Capar, N. (2017). The moderated influence of ethical leadership, via meaningful work, on followers' engagement, organizational identification, and envy. *Journal of Business Ethics*, *145(1)*, 183-199.
- Donaldson, T., & Preston, L. E. (1995). The stakeholder theory of the corporation: Concepts, evidence, and implications. *Academy of management Review*, 20(1), 65-91.
- Drost, E., A., (2011). Validity and Reliability in Social Science Research. International Perspectives on Higher Education Research and Perspectives, Vol.38, No.1, 105.
- Duarte, A., P., Ribeiro, N., Semedo A., P., & Gomes, D. R. (2021). Authentic Leadership & Improved Individual Performance: Affective Commitment and Individual Creativity's Sequential Mediation, *Front. Psychol.* 12:675749. doi: 10.3389/fpsyg.2021.675749
- Eisenberger, R., Armeli, S., Rexwinkel, B., Lynch, P. D., & Rhoades, L. (2001). Reciprocation of perceived organizational support. *Journal of Applied Psychology*, *86*: 42-51.
- Emerson, R. M. (1976). Social exchange theory. Annual Review of Sociology, 2: 335-362.
- Engelbrecht, A. S., Heine, G., & Mahembe, B. (2017). Integrity, ethical leadership, trust and work engagement. *Leadership & Organization Development Journal*. 38(3), 368-379.
- Erkul, M., Yitmen, I., & Celik, T. (2019). Dynamics of stakeholder engagement in mega transport infrastructure projects, *International Journal of Managing Projects in Business*, *Vol. 13, No. 7*, pp. 1465-1495.
- Etongo, D., Fagan, H., G., Kabonesa, C., & Asaba B. R. (2018). Community-Managed Water Supply Systems in Rural Uganda: The Role of Participation and Capacity Development, *Water Journal, Water 2018, 10*, 1271; doi:10.3390/w10091271
- Freeman, R., E., Dmytriyev, S., D., & Phillips, R. A. (2021). Stakeholder Theory and the Resource-Based View of the Firm, *Journal of Management, Vol. 47 No. 7*, September 2021 1757–1770
- Freeman, R.E (2010), "Strategic Management: A Stakeholder Approach" 1st ed.; Pitman Publishing: Boston, MA, USA, 1984; pp. 24–25.

- Fulton, E., Jones, T., Boschetti, F., Chapman, K., Little, R., Syme, G., & Mare, W. D. L. (2013). Assessing the impact of stakeholder engagement in management strategy evaluation. *International Journal of Economics and Management Engineering*, 3(3), 82-98.
- Garg, N., & Singh, S. (2018). Financial literacy among youth. *International Journal of Social Economics*, 45(1), 173–186.
- Gigol, T. (2020). Influence of authentic leadership on unethical pro-organizational behavior: The intermediate role of work engagement. *Sustainability*, *12(3)*, 1182.
- Greenwood, M. (2017). Stakeholder engagement: Beyond the myth of corporate responsibility. Journal of Business Ethics, 74, 315-327
- Griffin, M., L., & Hepburn, J. R. (2005). Side-bets and reciprocity as determinants of organizational commitment among correctional officers. *Journal of Criminal Justice*, 336, 611-625.
- Grošelj, M., Černe, M., Penger, S., & Grah, B. (2020). Authentic and transformational leadership and innovative work behaviour: the moderating role of psychological empowerment. *European Journal of Innovation Management*.
- Guillén, F., & Martínez-Alvarado, J. R. (2014). The sport engagement scale: An adaptation of the Utrecht Work Engagement Scale (UWES) for the sports environment. Universitas.
- Han, Z., Wang, Q., & Yan, X. (2019). How responsible leadership motivates employees to engage in organizational citizenship behavior for the environment: A double-mediation model. *Sustainability*, 11(3), 605.
- Hassan, A. (2021). The Antecedents and Challenges of Innovation in Sustainable Development Projects: Systematic Review, *Environmental Management and Sustainable Development*, *Vol. 10, No. 1.*
- Heravi, A., Coffey, V., & Trigunarsyah, B. (2015). Evaluating the level of stakeholder involvement during the project planning processes of building projects. *International Journal of Project Management*, 33(5), 985-997.
- Hilgert, M., A., Hogarth, J., M., & Beverly, S. G. (2003). Household financial management: The connection between knowledge and behavior. *Federal Reserve Bulletin, 106*, 309–322.
- Hira, T. K. (2012). Promoting sustainable financial behaviour: Implications for education and research. *International Journal of Consumer Studies*, *36*(5), 502–507.
- Holmes, R. III. (1994). Conserving natural value. New York: Columbia University Press.

- Husgafvel, R. (2021). Exploring Social Sustainability Handprint—Part 2: Sustainable Development and Sustainability. Sustainability 2021, 13,11051. https://doi.org/10.3390/su131911051.
- Hussain, S., & Wasem, R. (2020). Impact of Reward and Recognition, Supervisor Support on Employee Engagement, American International Journal of Business and Management Studies, DOI: 10.46545/aijbms.v2i3.256
- Huston, S. J. (2010). Measuring Financial Literacy. Journal of Consumer Affairs, 44(2), 296–316.
- Jang, E., (2021). Sustainable Workplace: Impact of Authentic Leadership on Change-Oriented Organizational Citizenship Behavior and the Moderating Role of Perceived Employees' Calling, Sustainability 2021, 13, 8542. https://doi.org/10.3390/su13158542
- Jang, Y., J., Zheng, T., & Bosselman, R. (2017). Top managers' environmental values, leadership, and stakeholder engagement in promoting environmental sustainability in the restaurant industry. *International Journal of Hospitality Management*, 63, 101-111.
- Japan International Cooperation Agency (JICA), (2015). Access To Safe Water (Rural Water Supply Project Report, BHN – Health Improvement and Access to Safe Water, https://www.jica.go.jp/uganda/english/activities/activity03.html (Accessed on: 2022, February 27).
- Jenkins, W. (2009). Berkshire Encyclopedia of Sustainability: Vol 1. The Spirit of Sustainability.
- Jia, G., Yang, F., Wang, G., Hong, B. & You, R. (2011). A study of mega project from a perspective of social conflict theory. *International Journal of Project Management* 29(7), 817–827.
- Johnson, E., & Sherraden, M. S. (2007). From financial literacy to financial capability among youth. *The Journal of Sociology & Social Welfare, 34(3)*, 119–147.
- Johnson, M., Redlbacher, F., & Schaltegger, S. (2018). Stakeholder engagement for corporate sustainability: A comparative analysis of B2C and B2B companies. *Corporate Social Responsibility and Environmental Management*, 25(4), 659-673.
- Judeh, M. (2021). "Effect of work environment on employee engagement: Mediating role of ethical decision-making, *Problems and Perspectives in Management, Volume 19, Issue 3*.
- Kharuddin, F., A., Azid, N., Mustafa, Z., & Kamari, N., M., Ibrahim F., & Kharuddin, D. (2020). Determination of Sample Size in Early Childcare Centre (TASKA) Service Project in

Malaysia: Classification and Analytical Approach, *Social Business Journal, Vol. 1, Issue 2.* 

- Kothari, C. R. (2004). Research Methodology, Methods and Techniques, New Deldhi; India.
- Krejcie, R., V., and Morgan, D. W. (1970). Determining sample size for research activities. Educational and Psychological Measurement, 30, 607-610.
- Kuchta, D., & Mrzygłocka-Chojnacka, J. (2020). An Approach to Increase the Sustainability of Projects and their Outcomes in Public Sector through Improving Project Definition, Sustainability, MDPI, vol. 12(12), pages 1-25
- Likert, R. (1932). A Technique for the Measurement of Attitudes. *Archives of Psychology*; pg. 140.
- Liphadzi, M., Aigbavboa, C., & Thwala, W. (2015). Relationship between leadership styles and project success in the South Africa construction industry. *Procedia Engineering*, 123, 284-290.
- López, C., M., P., Barros, C., J., J., Gochi, C., A., & Coira, L. M. (2021). New Approach for Managing Sustainability in Projects. Sustainability 2021, 13, 7037. https://doi.org/10.3390/su13137037.
- Lynch, P., D., Eisenberger, R., & Armeli, S. (1999). Perceived organizational support: Inferior versus superior performance by wary employees. *Journal of Applied Psychology*, 84: 467-483.
- Lynn, M., (1986). Determination & Quantification of Content Validity Index. *Nursing Research*, 35, 382 386.
- Madyaningarum, N., Berawi, M., A., & Miraj, P. (2018). Relationship Between Leadership & Commitment with Quality Performance on U-Th-REE Processing Pilot Plant Construction in BATAN. *Eksplorium: Buletin Pusat Teknologi Bahan Galian Nuklir,* 39(1), 59-66.
- Marschlicha, S., and Ingenhoff, D. (2021). Stakeholder engagement in a multicultural context: The contribution of (personal) relationship cultivation to social capital, *Public Relations Review, Volume 47, Issue 4*, 102091
- Mauss, M. (1925). The gift: Forms and functions of exchange in archaic societies. New York: The Norton Library.

- Meiyani, E., & Putra, A. H. P. K. (2019). The Relationship Between Islamic Leadership on Employee Engagement Distribution in FMCG's Industry: Anthropology Business Review. *The Journal of Distribution Science*, 17(5), 19-28.
- Ministry of Water & Environment (MWE), (2020). Water & Environment Sector Performance Report, 2020, Government of Uganda (GoU).
- Mitchell, R., K., Agle, B., R., & Wood, D. J. (1997). Toward a theory of stakeholder identification and salience: Defining the principle of who and what really counts. *Academy of Management Review*, 22(4), 853-886.
- Mohammad, N., & Chaudhary, H. A. (2020). Relationship of Teachers' Empowerment and Organizational Commitment at Secondary School Level in Punjab, *Bulletin of Education* and Research, Vol. 42, No. 2, pp. 69-80.
- Mori, C., Batalha, M., O., & Alfranca, O. (2014). Technological Capability: An index model and application to wheat agro-industrial complex firms. *Production*.
- Muff, K., Delacoste, C., & Dyllick, T. (2021). Responsible Leadership Competencies in leaders around the world: Assessing stakeholder engagement, ethics and values, systems thinking and innovation competencies in leaders around the world, *Corporate Social Responsibility and Environmental Management*, DOI:10.1002/csr.2216
- Nasiru, A., M., & Kasimu, M. A. (2018). The Leadership Styles and its Effects on Construction Projects Performance in Nigeria. *Leadership*, 9(2), 28-35.
- Nygaard, K., Graversgaard, M., Dalgaard, T., Jacobsen, H., B., & Schaper, S. (2021). The Role of Stakeholder Engagement in Developing New Technologies and Innovation for Nitrogen Reduction in Waters: A Longitudinal Study, *Water 2021, 13*, 3313. https://doi.org/10.3390/w13223313
- Oakley, P. (1987). An examination of Critical issues: Community Involvement in Health Development. Geneve Switzealand: World Health Organization.
- Odenyo, C., & Rosemary, J. (2018). Influence of Resource Mobilization on Sustainability of Women Group Projects in Vihiga County, Kenya. International Journal of Economics, Business and Management Research, 2(04), 50-73.
- Olander, S. & Landin, A. (2005). Evaluation of stakeholder influence in the implementation of construction projects. *International Journal of Project Management* 23(4), 321–328.

- Opoku, A., & Fortune, C. (2011). The implementation of sustainable practices through leadership in construction organizations. *Management*, *100(1) 1145*, 11-54.
- O'Riordan, L., & Fairbrass, J. (2018). Corporate social responsibility (CSR): Models and theories in stakeholder dialogue. *Journal of Business Ethics*, *83*, 745-758.
- Otika, D., Mwosi, F., Eton, M., O gwel, B., P., & Barigye, G. (2020). Community Management & Sustainability of Gravity Water Flow Scheme in Rural Uganda, A Case of Rubanda District. *International Journal of Social Science & Humanities Research, Vol. 8, Issue 3*, pp: (67-78)
- Ottavio, T., Verdatt, O., & Marty, J. (2017). Aggregate Capacity Planning. Journal of Operations Management.
- Potocki, T., & Cierpiał-Wolan, M. (2019). Factors shaping the financial capability of low income consumers from rural regions of Poland. *International Journal of Consumer Studies*, 43(2), 187–198.
- Potrich, A., C., G., Vieira, K., M., & Kirch, G. (2015). Determinants of financial literacy: Analysis of the influence of socioeconomic and demographic variables. *Revista Contabilidade & Financ*, as, 26(69), 362–377.
- Preble, J. (2015). Towards a comprehensive model of stakeholder management. *Business and* Society Review, 110 (4), 407-431
- Rayiramkandath, R. (2021). Authentic Leadership the Way Forward in the New Normal, International Journal of Advances in Engineering and Management (IJAEM), Volume 3, Issue 10 Oct 2021, pp: 1237-1241
- Rolston, Holmes, III. (1994). Conserving Natural Value. New York: Columbia, University Press.
- Samdani, H., & Yameen, A. (2017). An engagement story: engaging employees through ethical leadership. *The Business & Management Review*, 8(4), 126.
- Schaufeli, W. B. (2002). The measurement of engagement and burnout and: A confirmative analytic approach, *Journal of Happiness Studies*, *3*, 71-92.
- Slack, N., Chambers, S., & Johnston, R. (2014). "Operations Management", Person Education, Capacity Planning and Control, 4<sup>th</sup> Edition, Chapter 11.
- Solow, R. M. (1993). Sustainability: An economist's perspective. In Robert Dorfman and Nancy S. Dorfman (Eds.), *Economics of the Environment* (pp. 179–187). New York: Norton.

- Sperry, C., R., & Jetter, J. A. (2019). A Systems Approach to Project Stakeholder Management: Fuzzy Cognitive Map Modeling, *Project Management Journal, Vol. 50(6)*, 699–715
- Stichting Nederlandse Vrijwilligers (SNV), (2020). Improving Water Supply Sustainability in Northern Uganda (IWAS) II *Project Brief 2020*, SNV Uganda Country Office, Uganda.
- Stites, E., Muhereza, F. & McGillem, C. (2019). Comparative analysis of livelihood recovery in the post-conflict periods – Karamoja and Northern Uganda. Tufts University Feinstein International Center.
- Stolarski, M., Pruszczak, D., & Waleriańczyk, W. (2020). Vigorous, dedicated and absorbed: Factor structure, reliability and validity of the polish version of the sport engagement scale, *Current Psychology*, Springer.
- Swift, T. (2011). Trust reputation and corporate accountability to stakeholders. *Business Ethic: A European Review*, 16-26.
- Tabachnick, G., B. & Fidell, S., L. (2019). Multivariate Variate Statistics. 7<sup>th</sup> Edition. Pearson Education. Inc. Boston, MA.
- Tabassi, A., A., Argyropoulou, M., Roufechaei, K., M., & Argyropoulou, R. (2016). Leadership behavior of project managers in sustainable construction projects. *Procedia Computer Science*, 100(100), 724-730.
- Taherdoost, H. (2016). Sampling Methods in Research Methodology; How to Choose a Sampling Technique for Research, *International Journal of Academic Research in Management (IJARM)*, University Canada West.
- Tengan, C., & Aigbavboa, C. (2017). Level of stakeholder engagement and participation in monitoring and evaluation of construction projects in Ghana. *Procedia Engineering*, 196.
- The Lutheran World Federation (LWF), (2018). List of Sustainable Water Sources in Lamwo Sub Program as of 1st/November/2018, The Lutheran World Federation (LWF), Uganda.
- The World Bank, (2020). Third Northern Uganda Social Action Fund (NUSAF 3) (P149965). Seq No: 9. Retrieved from: https://projects.worldbank.org/en/projects-operations/projectdetail/P149965 (Accessed on: 2021, March 1).
- Tsimpo, C., & Wodon, Q. (2018). Water and Sanitation in Uganda, A World Bank Study, International Bank for Reconstruction and Development / The World Bank, 1818 H Street NW, Washington, DC 20433

- United Nations (UN), (2020). The Sustainable Development Goals Report 2020, United Nations (UN), New York, United States of America.
- United Nations Children's Fund (UNICEF), 2020). UNICEF Uganda Annual Report 2020, Kampala, Uganda.
- United Nations Educational, Scientific and Cultural Organization (UNESCO), (2020). The United Nations World Water Development Report 2020, *Water and Climate Change*, UNESCO, Paris, France.
- United States Agency for International Development (USAID), (2019). Civil Society Organization Sustainability Index for Sub-Saharan Africa 10th Edition.
- Vifell, A., C., & Soneryd, L. (2012). Organizing matters: how 'the social dimension' gets lost in sustainability projects. *Sustainable Development*, 20(1) v, 18-27.
- Voegtlin, C., Patzer, M., & Scherer, A. G. (2012). Responsible leadership in global business: A new approach to leadership and its multi-level outcomes. *Journal of Business Ethics*, 105(1), 1-16.
- Vogt, B., A., M., (2021). Ecological sensitivity within human realities concept for improved functional biodiversity outcomes in agricultural systems and landscapes. *Journal of Humainties & Social Sciences Communications*.
- Walumbwa, F., O., Avolio, B., J., Gardner, W., L., Wernsing, T., S., & Peterson, S. J. (2008). Authentic Leadership: Development and validation of a theory-based measure, *Journal of Management*, 34(1), 89-126.
- Wells, C., E., Lehigh, R., G., & Abby, M. V. (2021). Stakeholder Engagement for Sustainable Communities, *The Palgrave Handbook of Global Sustainability*, pp 1-13.
- Wibawa, S., M., W, & Takahashi, &Y. (2021). The Effect of Ethical Leadership on Work Engagement and Workaholism: Examining Self-Efficacy as a Moderator, *Adm. Sci. 2021*, *11*, 50. https://doi.org/10.3390/admsci11020050.
- World Health Organization (WHO), (2021). Progress on household drinking water, sanitation and hygiene 2000-2020: Five years into the SDGs, Geneva Switzerland.
- Wüstenhagen, R., Wolsink, M. & Bürer, M.J. (2007). Social acceptance of renewable energy innovation: An introduction to the concept. *Energy Policy* 35(5), 2683–2691.

- Yang, Q., & Wei, H. (2018). The impact of ethical leadership on organizational citizenship behavior: The moderating role of workplace ostracism. *Leadership & Organization Development Journal*, 39(1), 100-113.
- Yukl, G. A. (2013). Leadership in Organizations; Pearson: Boston, MA, United States of America.