Environmental Determinants of Enrolment of Girl Child at A' level in Namayingo, District Uganda

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Declaration

I, Moses Namisi (Bu/GS20/EDM/22) Certify that this dissertation: "Environmental Determinants of Enrolment of Girl Child at A' Level in Uganda, Namayingo District" is my original work and it has never been submitted to any other institution for an award. Where other sources have been used, I have duly acknowledged them.

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Approval

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Dedication

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List of Acronyms

NER Net Enrolment Ratio

NDP National Development Plan

Abstract

This study investigated the relationship between environmental determinants and the enrolment of the girl-child at A' level in secondary schools in Namayingo District, Uganda. The study objectives were to examine the relationship between home environment, school environment, cultural factors and enrolment of girl-child at A' level in secondary schools in Namayingo District. A cross-sectional survey research design incorporating both quantitative and qualitative approaches was used. The sample size for the study was 138 participants. The objectives of the study were to examine the relationship between home environment, school environment, and cultural factors on the enrolment of the girl-child at A' level. The researcher used simple random sampling and purposive sampling techniques. The data collection instruments were the self-administered questionnaire guide and the interview guide whose validity and reliability were calculated at CVI 89.2 and Cronbach Alpha at 0.772 respectively. Pearson's correlation coefficient was applied to measure whether there was a relationship between environment determinants and the enrolment of the girl-child at A'level in selected secondary schools in Namayingo District. The study findings revealed that there is a moderate positive correlation between home environment and enrolment of girl-child (r=.346** p < 0.05); a strong positive correlation between school environment and enrolment of girl-child (r=.639**p<0.05); and a moderate positive correlation between cultural factors and enrolment of girl-child (r=.361** p < 0.05). This suggests that: (i) a good home environment through ensuring parents' involvement in the education of their children, enhancing parents' income levels, and regulating the girl child's involvement in household chores during school time; (ii) that creating a girl-friendly learning environment, ensuring the cost of schooling is affordable to all, and ensuring girls move shorter distances to school; and (iii) eliminating culturally gender-induced stereotypes against girl-child education, eliminating gender segregation in schooling, and eliminating traditions and taboos that prevent girl-child education is likely to improve the enrolment of the girl child. Based on the findings, the study concludes that addressing environmental determinants such as home environment, school environment, and cultural factors is crucial in improving the enrolment of girl-child at A' level. The study recommends creating a girl-friendly learning environment by providing separate facilities such as toilets, ensuring safe transportation, and implementing policies that prohibit sexual harassment in schools; eliminating cultural barriers that prevent girls from accessing education at A' level through community sensitization campaigns aimed at changing negative attitudes and stereotypes towards girl-child education, promoting gender equity in education, and engaging community leaders and parents to support girls' education.

Chapter One

Introduction

1.1 Background of the study

This chapter presented the background to the study, statement of the problem, purpose of the study, objectives of the study, hypotheses, scope of the study and significance of the study.

1.1.1 Historical Background

In the past decade, one of the most important goals has been reducing the gender gaps in enrolment. and has been one of the eight United Nations Millennium Development Goals (Muralidharan & Prakash, 2017). Much as progress has been made to reduce gender gaps in primary schooling, there are still significant gaps in secondary schooling (Anyanwu, 2016). Education is one of the fundamental rights of the individual (McCleary-Sills, Hanmer, Parsons & Klugman, 2015; Klugman et al., 2014). Article 26 of the Universal Declaration of Human Rights, as was adopted by the United Nations Education General Assembly in December 1949 stipulated this among others. Education shall be equally accessible to all based on merit (quality) and parents have a prior right to choose the kind of education that shall be given to their children.

Education for girls has become a major issue of concern in developing countries in the world today. This is especially in sub-Saharan Africa where more young girls do not attend school. The term "girl-child" is a term that ascribes to a female between the ages of 6-18 years (Mukhatar, 2011). During this period, the young girl is totally under the care of adults who may be parents or elder siblings. It is also a period when the girl-child is malleable, and builds and develops her personality and character (Anyanwu, 2016).

Uganda has significantly made progress in promoting girls' education as shown by high enrolment in primary and secondary schools. The number of girls accessing education has increased, particularly in secondary schools. The introduction of Universal Secondary

References

- Akanksha. (2018). Sexual Harassment of Women at Work Place. *International Journal of Multidisciplinary Research (IJMR), Vol. 4 issue. 7 (July-2018) EPRA*
- Amin, M.E., 2005. Social science research: Conception, methodology and analysis. Makerere University.
- Amutabi, M.N. (2003). The8-4-4 system of education. *International Journal of Educational Development*. 23(2003) pp.127-144
- Anyanwu, J. C. (2016). Accounting for gender equality in secondary school enrollment in Africa. *African Development Review*, 28(2), 170-191.
- Barungi, M., and Kasirye, I. (2015). Performance of Public-Private Partnerships in delivering social services: The Case of Universal Secondary Education Policy Implementation in Uganda. EPRC Policy Brief.
- Berry, J. W., Poortinga, Y. H., Segall, M. H., & Dasen, P. R. (1992). *Cross-cultural psychology: Research and applications*. Cambridge University Press.
- Bonell C., Jamal F., and Harden A. (2013). Systematic review of the effects of schools and school environment interventions on health: evidence mapping and synthesis.

 Southampton (UK): NIHR Journals Library; https://www.ncbi.nlm.nih.gov/books/NBK262768/
- Bradley, R. H., and Corwyn, R. F. (2002). Socioeconomic status and child development. *Annual review of psychology*, *53*(1), 371-399.
- Braveman, P., Gottlieb, L. (2014). The social determinants of health: it's time to consider the causes of the causes. *Public Health Rep.* 2014 Jan-Feb;129 Suppl 2(Suppl 2):19-31. doi: 10.1177/00333549141291S206.

- Chen, E., & Miller, G. E. (2012). "Shift-and-persist" strategies: Why low socioeconomic status isn't always bad for health. *Perspectives on Psychological Science*, 7(2), 135–158. https://doi.org/10.1177/1745691612436694
- Clementina, S. B., Piliyesi, S. D. E., & Anyona, J. (2020). *Determinants of Girl Child Academic Performance of Public Day Secondary Schools at Buchosa District, Mwanza Region in Tanzania*.
- Clinton, J., & Hattie, J. (2013). New Zealand students' perceptions of parental involvement in learning and schooling. *Asia Pacific journal of education*, *33*(3), 324-337.
- Cronbach, L. J. (1950). Further Evidence on Response Sets and Test Design. *Educational and Psychological Measurement*, 10(1), 3–31. doi.org/10.1177/001316445001000101
- Danick, P. (2010). *Organizational Behaviour*. 9th edition San Diego State University Prentice

 Hall International, Inc.
- Durisic, M., & Bunijevac, M. J. (2017). Parental involvement as an important factor for successful education. *CEPS Journal*, 7(3), 137–153.
- Enon, J.C., 1998. Educational research, statistics and measurement. *Kampala: Makerere University*.
- FEMSA Dissemination Report. (1997). (Female Education in Mathematics and Science in Africa). FEMSANairobi: FAWE (Forum for African Women Educationalists), 1997.
- FEMSA Dissemination Report. (2013). (Female Education in Mathematics and Science in Africa). FEMSANairobi: FAWE (Forum for African Women Educationalists), 2013.
- Gakidou, E., Afshin, A., Abajobir, A. A., Abate, K. H., Abbafati, C., Abbas, K. M., ... & Duncan, S. (2017). Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks,

- 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 390(10100), 1345-1422.
- Guba, E. (1981). Criteria for Assessing the Trustworthiness of Naturalistic Inquiries.

 Educational Technology Research and Development, 29 (2), 75-91.
- Hammad, J. (2020). Communication Technology Affecting Education Acquisition for the Girl Child: Examining the Case of Chuluni District, Kitui County. *International Journal of Communication and Computer Technologies*, 8(2), 13-18.
- Huisman, J., Smits. J. (2017). Duration and quality of the peer review process: the author's perspective. *Scientometrics*. 2017;113(1):633-650. doi: 10.1007/s11192-017-2310-5. Epub 2017 Mar 9. PMID: 29056794; PMCID: PMC5629227.
- Hyde, K.A.L., & Kadzamira, E.C. (1994). *Knowledge, Attitudes and Practice Pilot Survey* (draft report). Zomba, Malawi: Centre for Social Research.
- Kagawa-Singer, M., & Backhall, L. (2001). Negotiating cross-cultural issues at end of life. *Journal of American Medical Association*, 286(3001), 2993-.
- Kivunja, C., & Kuyini, A. B. (2017). Understanding and Applying Research Paradigms in Educational Contexts. International Journal of Higher Education, Vol 6, No 5 (2017). DOI: https://doi.org/10.5430/ijhe.v6n5p26
- Klugman, J., L. Hanmer, S. Twigg, T. Hasan, J. McCleary-Sills, and J. Santa Maria. (2014).

 Voice & Agency: Empowering Women and Girls for Shared Prosperity. Washington,

 DC: World Bank Group.
- Koh, K., Chapman, O., & Liu, S. (2022). Building Elementary School Teachers' Capacity in the Design and Implementation of Authentic STEM Assessments for Girls. *International Journal of Gender, Science and Technology*, 14(2), 247-279.
- Kombo, P. and Tromp, C., 2006. Educational research: An introduction.

- Krejcie, R.V. and Morgan, D.W., 1970. Determining sample size for research activities. *Educational and psychological measurement*, 30(3), pp.607-610.
- Luhman, N. (2014). Introduction to Systems Theory. *International Journal of Systems and Society*, 1(1), 55-57, January-June 2014 55.
- Marmot, M., Allen. J., Bell, R., & Goldblatt, P (2012). Building of the global movement for health equity: from Santiago to Rio and beyond. *The Lancet*. Volume 379, Issue 9811, 14–20 January 2012, Pages 181-188 Vol (67).
- Makewa, L. N., Role, E., & Ngila, W. M. (2014). Girl child challenges and academic achievement in mixed secondary schools. *Journal of Education and Human Development*, 3(2), 471-491.
- Mathenge, G. J. (2012). Factors influencing enrolment of girls in public secondary schools in Kieni west district, Nyeri County Kenya (Doctoral dissertation, KeMU).
- McCleary-Sills, J., Hanmer, L., Parsons, J., & Klugman, J. (2015). Child marriage: a critical barrier to girls' schooling and gender equality in education. *The Review of Faith & International Affairs*, 13(3), 69-80.
- Mishra, L. (2015). Enrolment of tribal girls in secondary schools of Odisha. *International Journal of Education (IJE)*, 3(2), 1-10.
- Mohammed, A. M., Mberia, H. K., & Muturi, W. (2017). Influence of socio-cultural practices on girl child participation in secondary schools in Garowe, Puntland. *IOSR Journal of Humanities and Social Science (IOSR-JHSS) Volume*, 22, 78-85.
- Mugenda, O. and Mugenda, A., (2003). Research methods: Quantitative and Qualitative methods. *Revised in Nairobi*.
- Mugenda, O.M. and Mugenda, A.G., (1999). Research methods: Quantitative and qualitative approaches. Acts press.

- Muralidharan, K., & Prakash, N. (2017). Cycling to school: Increasing secondary school enrollment for girls in India. *American Economic Journal: Applied Economics*, 9(3), 321-50.
- Musungu, N. W. (2010). Factors influencing enrollment and participation of girls in secondary education in Siaya, Kenya (Doctoral dissertation, University of Nairobi).
- Nafukho, F. M. (2005). Access, efficiency and equity considerations of the World Bank's African Virtual University project: A case study of Kenya. Proceedings of the 11th Association of African Universities Conference on the theme: *Cross-border provision and the future of higher education in Africa* (pp. 335-359). Cape Town: Association of African Universities
- Nalobile, S. N. (2014). Environmental influence of girl-child access to secondary School education in Bungoma County: a case of Mount Elgon District, Kenya (Doctoral dissertation, Mount Kenya University).
- Namayingo District Local Government. (2021). Namayingo District Education Committee

 Report

Namayingo District Local Government Report, 2019

National Development Plan-NDP, 2010/2011 – 2014/2015). The Republic of Uganda.

Ntekane, A. (2018). Parental involvement in education. In: ResearchGate.

- Omare, M. R (2007). Challenges Facing Girl Child in Accessing Secondary School Education in Suneka Division of Kisii District. Unpublished Project Report, UON. The standard 24-26th October 2009.
- Pallant, J. (2003). A step by Step guide to Data Analysis Using SPSS. Open University Press.

 McGraw Hill Education Press. Philadelphia, USA.

- Rosemary, M. S. N. (2015). Causal Factors Influencing Girl Child School Drop Out: A Case Study of Masvingo District Secondary Schools. *Journal of Educational Policy and Entrepreneurial Research*, 2(1), 51-57.
- Sallis, J. M., Cerin, E., Conway, T. E., Adams, M. A., Frank, L. D., Pratt, M., Salvo, D., Schipperijn, J. (2016). Physical activity in relation to urban environments in 14 cities worldwide: a cross-sectional study. *The Lancet*. Vol. 387. Issues 10034. P. 2207-2217. Publisher, Elsevier
- Smith, W. K., & Lewis, M, W. (2011). Toward a Theory of Paradox: A Dynamic equilibrium Model of Organizing. *Academy of Management Review*, Vol. 36, No. doi.org/10.5465/amr.2009.0223
- Triandis, H. C. (1995). Individualism & collectivism. Westview Press.
- Uganda Bureau of Statistics (2017). *The National Population and Housing Census 2014* Area Specific Profile Series, Kampala, Uganda.
- United Nations. (2015). Transforming our world by 2030: A new agenda for global action Zero. Draft of the outcome document for the UN Summit to adopt the Post-2015 Development Agenda. New York: United Nations.
- Wamichwe, J. M. (2017). Socio-economic Factors Affecting Enrolment of Male Students in Public Secondary Schools in Kirinyaga County, Kenya (Doctoral dissertation, University of Nairobi).