

**Appraisal Water, Sanitation and Hygiene (WASH)
affecting University Students' Performance**



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Lahore**

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M. Phil Sociology Thesis

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A thesis submitted in partial fulfillment of the requirement for the
Degree of M. Phil Sociology

**Department of Sociology, School of Social Sciences and Humanities
University of Management and Technology Lahore**

Completion Certificate

Certified that this thesis titled, “Appraisalment Water, Sanitation and Hygiene (WASH) affecting University Students’ Performance” has been carried out and completed by Mr. Muhammad Adeel Irshad, Student ID: F2016261033; M. Phil Sociology, Session 2016-2018, under my supervision is a record of original and independent research work carried out under given instruction and consideration.

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Dated: August 16, 2018

DECLARATION

I, Muhammad Adeel Irshad, do hereby declare that this research “Appraisement Water, Sanitation and Hygiene (WASH) affecting University Students’ Performance” is my original work and effort. The work was done under the guidance and supervision of Dr. Wasif Ali Waseer, Assistant Professor, Department of Sociology, University of Management and Technology (UMT), Lahore. This research has not been previously submitted for any degree and is not being currently considered for any degree and/or examination at any other university.

Name: Muhammad Adeel Irshad

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Date: August 16, 2018

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DEDICATION

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List of Acronyms

%	Percentage
CLTS	Community Led Total Sanitation
DHA	Defence Housing Authority
EDBC	Environment and Development the Brundtland Commission
F	Analysis of variance ratio
<i>f</i>	Frequency
K	No. of items
LGU	Lahore Garrison University
M	Arithmetic mean
MDGs	Millennium Development Goals
N	Sample size
n	Sub-sample
NGO	Non-Governmental Organization
<i>P</i>	Significance
PHDC	Pakistan Health and Demographic Survey
R ²	Coefficient of determination
SD	Standard deviation
SE	Standard Error
SPSS	Statistical Package for the Social Sciences
SWASH	School Water, Sanitation and Hygiene Education
UNICEF	United Nations International Children's Emergency Fund
UNO	United Nations Organization
UNWO	United Nations World Commission
WASA	Water and Sanitation Agency
WASH	Water and Sanitation Hygiene
WHO	World Health Organization
WSSCC	Water Supply and Sanitation Collaborative Council
α	Reliability coefficient
β	Un-standardized coefficient

Abstract

Water is very important element in our lives. Water and the concept of sanitation and hygiene are serious concerns for health problems nowadays. More than 1.7 million children deceased due to poor water and sanitary conditions every year. Water and Sanitation Hygiene (WASH) provide such facilities which ensure the improved well-being particularly protection of human body from several diseases especially in youngsters. This study is designed to find out the basic knowledge of washroom usage, home based toilets, material for cleanliness, solid waste disposal, material for hand wash and general awareness among the students of Lahore Garrison University. For this reason, the variables i.e. basic knowledge about washroom usage, home based toilets, material for cleanliness, solid waste disposal, material for hand wash and general awareness has been made and evaluated thoroughly. The total population of the university is (8313), and sample size is selected with the help of G*Power ($N = 420$). The target audience is students from final semesters of four faculties of Lahore Garrison University. Stratified random and Finite Population Correction (FPC) technique is used for sampling. The study is based on correlational and comparative analysis. A questionnaire is filled by the respondents which was close-ended. Internal validity is measured and it was .8. The results communicated highly positive significant relationship between basic knowledge about washroom usage and general awareness. Similarly, positive strong relationship is found between solid waste disposal and material for cleanliness and general awareness respectively. The present empirical study is concluded positive correlation among basic knowledge about washroom usage, home based toilets, material for cleanliness and solid waste disposal. This study suggest that government should plan properly and manage WASH with effective policy. It is also advised for current governance to check the WASH practices at university level in the community on monthly basis. It is highly recommended after this study to educate the academia and launch such programs which spread the significance of health especially water and sanitation hygiene (WASH).

Keywords: *Water and Sanitation Hygiene (WASH), Solid Waste Disposal, Hand Wash, Cleanliness, General Awareness*

CHAPTER I

INTRODUCTION

Water and the concept of poor sanitation are serious concerns and also causing major health problems nowadays (Murray and Lopez 1997). Our bodies are blemished by several viral gastric diseases (Enger et al. 2013). A very pollutant virus which is known as Escherichia coli rapidly grow in drinking water. Poor health conditions and unhygienic lifestyles are the reason behind the high child mortality rate too (Katukiza et al. 2012). In present situation, our community is facing grass root problems i.e. drinking water, hygienic and sanitation. These problems become major hurdles in the development of a community. In 2007, poor hygienic facilities caused loss of 6.3 billion USD in Indonesia (Hutton et al. 2008). More than 1.7 million children surrounded their lives due to poor water and sanitary conditions each year. 9 out of 10 children see mortality due to diarrhea similarly 1.7 million deceases happen only in Eastern part of South Asia (Suk et al. 2003). Water and Sanitation Hygiene (WASH) provide such facilities which ensure the improved well-being particularly protection of human body from several diseases in youngsters.