

CONTENTS	
APPROVAL PAGE .....	2
CONTENTS.....	3
LIST OF ABBREVIATIONS .....	6
DECLARATION OF AUTHENTICITY .....	7
FOREWORD AND ACKNOWLEDGEMENT .....	8
ABSTRACT .....	9
CHAPTER I. INTRODUCTION .....	10
A. Background.....	10
B. Relevance .....	12
C. Problem Statement .....	14
D. Research Objective.....	14
E. Research Impact.....	15
F. Originality .....	16
CHAPTER II. LITERATURE REVIEW.....	17
A. Review of Literature .....	17
B. Theoretical Framework.....	24
C. Conceptual Framework.....	26
D. Hypothesis and Research Questions .....	27
1. Research questions .....	27
2. Hypothesis.....	27
CHAPTER III. RESEARCH METHODOLOGY.....	28
A. Research Type and Design .....	28
B. Research Settings and Time .....	29
C. Intervention .....	30
D. Research Subjects .....	32
E. Identification of Research Variables.....	33
F. Operational Definition of Variables.....	33
G. Data Collection and Research Instrument .....	35
H. Data Analysis.....	36
I. Ethical Consideration .....	38
J. Research Process .....	39

IV. RESULTS AND DISCUSSION.....	40
A. Result.....	40
4.1. Participant’s characteristics.....	40
4.2. Participant’s response to knowledge.....	41
4.3. Participant’s response to practice.....	43
4.4. Perception.....	46
4.5. Implementation barriers.....	52
4.6. Supportive operational environment.....	55
B. Discussion.....	60
1. Feasibility of intervention.....	60
2. Participants response.....	61
3. Perception.....	63
4. Implementation barrier.....	64
5. Supporting operational environment.....	65
6. Implication of the study.....	66
7. Strengths and Limitation of the study.....	66
CHAPTER V. SUMMARY AND RECOMMENDATIONS.....	69
A. Summary.....	69
B. Recommendations.....	69
REFERENCES.....	70
APPENDICES.....	76
Annex 1: Intervention manual overview.....	76
Annex 2: Pre-assessment questionnaire.....	86
Annex 3: Post-assessment questionnaire.....	90
Annex 4: Consent forms.....	94
A. Informed consent for parents.....	94
B. Informed assent form for children/minors.....	96
C. Informed consent to participate in an interview.....	97
Annex 5: FGD guideline.....	98
A. FGD guideline for teachers.....	98
B. FGD guideline for students.....	100
Annex 6: Interview guideline.....	101
A. Interview guideline for school management.....	101
B. Interview guideline for LF focal person.....	102

C. Interview guideline for officer from Education Office.....	103
Annex 7: Data collection training modeule for research .....	104

### **LIST OF FIGURES**

Figure 1-1. PRISM Model .....	25
Figure 1-2. Conceptual framework for feasibility of SBHE intervention by PRISM domains.....	26
Figure 1-3. Study setting.....	29

### **LIST OF TABLES**

Table 1. Research impact.....	15
Table 2. Research originality .....	16
Table 3. Description of components of intervention and its implementation strategies ...	31
Table 4. Operational definition of variables .....	34
Table 5. Socio-demographic characteristics of participants at baseline and end line .....	41
Table 6. Effect of intervention on mean knowledge score.....	42
Table 7. Predictors of knowledge scores .....	43
Table 8. Practice of drug uptake among intervention and control group.....	43
Table 9. Predictors of practice of drug uptake .....	44
Table 10. Reasons for not taking MDA drugs .....	45
Table 11. Side effects experienced by participants after drug uptake among control and intervention group, baseline and end line .....	46

## LIST OF ABBREVIATIONS

DEC	Diethylcarbamazine citrate
DEO	District Education Office
EDCD	Epidemiology and Disease Control Division
FGDs	Focused group discussions
GoN	Government of Nepal
GPELF	Global Programme to Eliminate Lymphatic Filariasis
IDIs	In-depth interviews
IEC	Information, Education and Communication
LF	Lymphatic Filariasis
MDA	Mass drug administration
MoE	Ministry of Education
NTDs	Neglected Tropical Diseases
PRISM	Practical, Robust Implementation and Sustainability Model
SEARO	South-East Asia Region
SBHE	School-Based Health Education
WHO	World Health Organization