

TABLE OF CONTENT

Content	Page
Cover Page	i
Requirement Page	ii
Test Implementation Page	iii
Approval Page	iv
Validation Page	v
Presentation Page	vi
Statement	vii
Acknowledgement	viii
Table of contents	x
List of Tables	xiii
List of Figures	xiv
List of Attachments	xv
Abstract	xvi
Intisari	xvii
I. INTRODUCTION	
A. Background	1
B. Problem Formulation	3
C. Research Authencity	3
D. Objective	4
E. Study Benefit	4
Theoritical Framework	5
II. LITERATURE REVIEW	
1. Fibre Reinforced Composite (FRC)	5
1.1 Composition	7
1.2 Polymerization Reaction	10

1.3 Surface Properties	11
1.4 Surface Adhesion of FRC	13
1.5 Factors That Affect Surface Properties	14
2. <i>Streptococcus mutans</i> Adhesion	15
2.1 Characteristics of <i>S.mutans</i>	15
2.2 Mechanism of <i>S.mutans</i> Adhesion	16
2.3 Measurement of Bacterial Adhesion	18
3. Toothbrushing	20
3.1 Definition	20
3.2 Toothbrushing Techniques	21
3.3 Effect of Toothbrushing on Surface Roughness of FRC	23
3.4 Effect of Toothbrushing on the Adhesion of <i>S.mutans</i>	25
Theoretical Basis	26
Hypothesis	28
III. RESEARCH METHOD	
A. Research Design	29
B. Research Variable	29
C. Operational Definition	30
D. Time and Place of Study	30
E. Research Subject	30
F. Sample Size	31
G. Equipments and Materials	32
H. Research Procedure	33
I. Data Analysis	36
J. Research Pathway	37
IV. Results and Discussion	
A. Results	38
B. Discussion	42

V. Conclusion and Suggestions	46
References	47