TREATMENT USING BROMELAIN ENZYME IN PINEAPPLE JUICE FOR HIV/AIDS PATIENTS

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

TREATMENT USING BROMELAIN ENZYME IN PINEAPPLE JUICE FOR HIV/AIDS PATIENTS.

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Based on the preliminary research showing that Bromelain Enzyme as a protease enzyme in pineapple juice can increase the amount of CD4+ in HIV/AIDS patients by destroying the HIV, and with the support from university through a CRF program, this research was conducted in a closed community area in LAPAS, Paledang Bogor. 13 HIV/AIDS patients were given pineapple juice for 10-12 weeks. The parameters that were being measured including the whole blood hematology, analysis of kidney function and urine test together with the CD4+ and Viral Load amount was being checked. Before the treatment program all the initial result was recorded and then being compared with the result after 10-12 weeks. After 5 weeks, number of CD4+ in 4 of the patients shows significant increased, but others shows a decreasing amount of CD4+. After 10 weeks, 5 of the patients have increased number of CD4+. The varieties results shown may be caused by the CD4+ need around 3 months or longer like a normal cell to regenerate. Moreover, morphology changes can be observed in the virus that has been treated with pure Bromelain enzyme by using electron microscope.

Keywords: Pineapple, Bromelain Enzyme, HIV/AIDS, Protease enzyme, CD4+, Viral Load, Electron microscope.

DEDICATION

I dedicated this thesis work for my loves one and for all the HIV/AIDS patients around the world.

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The Author hope that this thesis will not just be useful to complete academic requirements for the Author's Bachelor Degree, but also be useful to other people at any extend.

Tangerang, August 2014

Melliany

Table of Contents

STATEMENT BY THE AUTHOR 2
ABSTRACT 3
DEDICATION 5
ACKNOWLEDGEMENTS 6
LIST OF FIGURES 9
LIST OF TABLES 100
CHAPTER 1 - INTRODUCTION 111
1.1 Background 111
1.2 Research Problem 13
1.3 Objectives 13
1.4 Significance of Study 13
1.5 Research Question 14
1.6 Hypothesis 14
CHAPTER 2 - LITERATURE REVIEW 15
2.1 History of Virus 15
2.2 Human Immunodeficiency Virus 16
2.2.1 Structure of HIV 16
2.2.2 Classification of HIV 17
2.2.3 Life Cycle of HIV 17
2.2.4 Stages of HIV 19
2.2.5 Types of HIV Test 23
2.2.6 CD4+ antibody and Viral Load 23
2.2.7 Treatments for HIV/AIDS 24
2.3 Bromelain 25
2.4 Transmission Electron Microscope 26
CHAPTER 3 – RESEARCH METHODS 28
3.1 Time and Venue 28
3.2 Materials and Equipment 28
3.3 Analytical Method 29
3.3.1 Pineapple juice and the treatment program preparation 29
3.3.2 Blood Test 30
3.3.3 Protein Content Test 30

3.3.4 Volume Activity Test 31
3.3.5 Specific Activity Test 33
3.3.6 HIV Test for Serum Using Test Strip 33
3.3.7 Morphology Observation by Using Electron Microscope 34
3.3.8 Research Procedure 35
CHAPTER 4 – RESULTS AND DISCUSSION 37
4.1 Quantitative Analysis 37
4.1.1 Blood and Serum Analysis 37
4.1.1.1 Whole Blood Hematology 37
4.1.1.2 Kidney function test 38
4.1.1.3 Urine analysis 40
4.1.1.4 CD4+ and Viral Load 41
4.2 Qualitative Analysis 46
4.2.1 Serum Analysis 46
4.2.2 Comparison with Preliminary Study 47
4.3 Functional Analysis of Standard 47
4.3.1 Protein Content 48
4.3.2 Volume Activity 48
4.3.3 Specific Activity of Bromelain Enzyme in Pineapple Juice 49
4.3.4 HIV Morphology Observation Using Electron Microscope 49
CHAPTER 5 – CONCLUSIONS AND RECCOMENDATIONS 52
5.1 Conclusions 52
5.2 Recommendations 52
GLOSSARY 53
REFERENCES 54
APPENDIXES 57
CURRICULUM VITAE 64

LIST OF FIGURES

Figures Page

Figure 1.1 Pineapple (*Ananas comosus*)..... 12
Figure 2.1 Electron Micrograph of Tobacco Mosaic Virus 16
Figure 2.2 Anatomy of HIV/AIDS Virus..... 17
Figure 2.3 Life Cycle of HIV/AIDS 19
Figure 2.4 Clinical Stage of HIV..... 21
Figure 2.5 Correlation of CD4+ and Viral Load After Infection of HIV/AIDS .. 24
Figure 2.6 Parts of the Transmission Electron Microscope 27
Figure 4.1 Rapid HIV Strip Test..... 42
Figure 4.2 HIV rapid test result..... 50
Figure 4.3 Morphology Observation of HIV Using Electron Microscope..... 50

LIST OF TABLES

Table Page

Table 1.1 Physical and Chemical Properties of stem Bromelain 25
Table 3.1 Variation Concentration of Bovine Serum Albumin 30
Table 3.2 Composition of Tubes for Protein Content Test..... 31
Table 3.3 Volume Activity Test for Each Tube..... 32
Table 3.4 Timetable of the activity..... 36
Table 4.1 Amount of Leucocytes and LED of the patients before treatment.. 38
Table 4.2 The Amount of Creatinine and Ureum in the Patients..... 39
Table 4.3.The Result of Urine Analysis Before Treatment..... 40
Table 4.4 Number of CD4+ and Viral Load Before Treatment..... 41
Table 4.5 Amount of CD4+ After 5 Weeks of Treatments..... 42
Table 4.6 Amount of CD4+ After 10 Weeks of Treatments..... 43
Table 4.7 The Comparison of Viral load amount 44
Table 4.8 The Comparison of CD4+ antibodies amount..... 45
Table 4.9 Patients data that was taken the serum for further test..... 46
Table 4.10 Protein Content Data 48
Table 4.11 Volume Activity Data..... 49
Table 4.12 Specific Activity Analysis 49