UNIVERSITAS
GADJAH MADA
Clinical Outcomes and Direct Medical Cost Analysis of Antibiotic Therapy for Inpatients with Ventilator Associated Pneumonia at RSD dr. Soebandi Jember
Ayunda Nur Hidayatiningsih, Prof. Dr. apt. Nanang Munif Yasin, S.Si., M.Pharm., ; Prof. Dr. apt. Tri Murti Andayani, S
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

TABLE OF CONTENTS

APPROVAL PAGE ii
OFFERING iii
FREE PLAGIARISM STATEMENT iv
FOREWORD v
TABLE OF CONTENTS i
LIST OF TABLES iii
LIST OF FIGURES v
LIST OF APPENDICES vii
ABBREVIATONS viii
ABSTRACT viii
ABSTRAK ix
CHAPTER I. INTRODUCTION 1
A. Background 1
B. Key Issues 4
C. Objectives 4
D. The Significance of the Study 4
E. Research Authenticity 5
CHAPTER II. LITERATURE REVIEW 10
A. Literature Analysis 10
B. Theoretical Basis 26
C. Conceptual Framework 28
D. Hypothesis 28
CHAPTER III. RESEARCH METHOD 29
A. Research Design 29
B. Research Setting 29
C. Research Subject 29
D. Research Variables 31
E. Operational Definitions 32

UNIVERSITAS
GADJAH MADA
Clinical Outcomes and Direct Medical Cost Analysis of Antibiotic Therapy for Inpatients with Ventilator Associated Pneumonia at RSD dr. Soebandi Jember
Ayunda Nur Hidayatiningsih, Prof. Dr. apt. Nanang Munif Yasin, S.Si., M.Pharm., ; Prof. Dr. apt. Tri Murti Andayani, S
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

F. Research Instrument 34
G. Research Phases 35
H. Data Analysis 37
CHAPTER IV. RESULTS AND DISCUSSION 41
A. Patient Characteristics 42
B. Pattern of Antibiotic Use in Patients with VAP 46
C. Quantitative Analysis of Antibiotics Consumption 53
D. Qualitative Analysis of Antibiotic Consumption Using The Gyssens Method ……57
E. Association Between Antibiotic Appropriateness and Clinical Outcomes in Patients with VAP 68
F. Other Factors Affecting Clinical Outcomes 70
G. Multivariate Analysis of Factors Associated with Clinical Outcomes 75
H. Analysis of Direct Medical Cost 78
I. Study Limitation 86
CHAPTER V. CONCLUSION AND SUGGESTION 88
A. Conclusion 88
B. Suggestion 88
REFERENCES 90
APPENDICES 103