

TABLE OF CONTENTS

ABBREVIATIONS ___ 5

INTRODUCTION ___ 7

CHAPTER I ___ 9

METHODOLOGICAL ISSUES AND RESEARCH AREAS

1.1. Definition of Key Concepts ___ 12

1.2. Literature Review ___ 16

1.3. Problem Situation and Areas of Scientific Inquiry ___ 18

CHAPTER 2 ___ 23

TRAINING AIR BASE M-346 AIRCRAFT – ENVIRONMENT RESEARCH SUBJECT

2.1. 41st Training Air Base – Infrastructure, Organizational Solutions, and Aircraft Operation Processes ___ 28

2.2. The M-346 Trainer Aircraft ___ 36

CHAPTER 3 ___ 49

M-346 TRAINER AIRCRAFT OPERATION PROCESS

3.1. M-346 Aircraft Maintenance Process (M-346 AMP) ___ 49

3.1.1. M-346 Aircraft Maintenance Strategy and Levels ___ 52

3.1.2. M-346 Aircraft Maintenance ___ 59

3.1.3. M-346 Aircraft Maintenance Process Support ___ 70

3.1.4. Quantitative Studies of the Maintenance Process ___ 73

3.2. M-346 Aircraft Flight Operation Process (M-346 FOP) ___ 77

3.2.1. Flight Preparation Process ___ 78

3.2.2. Air Mission ___ 81

3.2.3. Post-landing Activities ___ 90

CHAPTER 4 ___ 95

CRUCIAL ELEMENTS IN THE M-346 AIRCRAFT OPERATIONAL PROCESS

4.1. Crucial Elements in the M-346 Aircraft Maintenance Process ___ 96

4.2. Crucial Elements in the M-346 Aircraft Operation (Usage) Process ___ 116

CONCLUSION ___ 127

BIBLIOGRAPHY ___ 129

LIST OF CHARTS, FIGURES, PHOTOGRAPHS AND TABLES ___ 149