Contents

CHAPTER 1: INTRODUCTION

- 1.1 Polymer.
- 1.2 The nature property and morphology of polymers.
- 1.3 Plasticizer.
- 1.4 Electrolyte.
- 1.5 Mechanism of electrolyte.
- 1.6 Description of polymer electrolyte system.
- 1.7 The mechanism behind the electrical conduction.
- 1.8 Advantage of solid polymer electrolyte.

CHAPTER 2: EXPERIMENTAL PROCEDURE

- 2.1 Preparation of polymer electrolyte.
- 2.2 Solution casting technique.
- 2.3 Various methods of characterization.
- 2.4 Complex impedence analysis.

CHAPTER 3: RESULTS AND CONCLUSION

- 3.1 Measurement of conductivities and analysis.
- 3.2 Optical micrograph.
- 3.3 Conclusion.