

## Contents

Approval Sheet.....	2
Declaration Sheet .....	3
Contents.....	4
Table of Image .....	5
Table of Content.....	6
Abstract .....	1
<b>1. Introduction .....</b>	<b>1</b>
1.1 Background of The Study.....	1
1.2 Topic and Limitation .....	1
1.3 Purpose .....	2
1.4 Writing Organization.....	2
<b>2. Related Studies .....</b>	<b>2</b>
2.1 Review Paper .....	2
2.2 TF-IDF (Term Frequency – Inverse Document Frequency).....	2
2.3 Naïve Bayes.....	3
2.4 Support Vector Machine .....	3
2.5 Random Forest .....	4
2.6 TextBlob Library.....	4
<b>3. Built System .....</b>	<b>5</b>
3.1 Data Collection .....	5
3.2 Preprocessing.....	6
3.3 Data Labelling.....	7
3.4 Feature Extraction .....	8
3.5 Classification.....	9
<b>4. Evaluation .....</b>	<b>11</b>
4.1 Test Result.....	11
4.2 Analysis of Test Results .....	13
<b>5. Conclusion.....</b>	<b>13</b>
5.1 Conclusion.....	13
5.2 Suggestion .....	13
References .....	14