

***IN VITRO* SHOOT INDUCTION FROM SEED OF *Phaleria macrocarpa***

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## TABLE OF CONTENTS

	<b>PAGE</b>
<b>ACKNOWLEDGEMENT</b>	<b>iii</b>
<b>TABLE OF CONTENTS</b>	<b>iv</b>
<b>LIST OF TABLE</b>	<b>vi</b>
<b>LIST OF FIGURES</b>	<b>vii</b>
<b>LIST OF ABBREVIATIONS</b>	<b>viii</b>
<b>ABSTRACT</b>	<b>x</b>
<b>ABSTRAK</b>	<b>xi</b>
<b>CHAPTER 1: INTRODUCTION</b>	
1.1 Background Study	1
1.2 Problem Statement	2
1.3 Significance of the Study	3
1.4 Objective of the Study	4
<b>CHAPTER 2: LITERATURE REVIEW</b>	
2.1 <i>Phaleria macrocarpa</i>	5
2.1.1 The plant features	6
2.1.2 The plant species composition	7
2.2 Previous study on <i>Phaleria macrocarpa</i>	8
2.3 Plant tissue culture technique	9
2.3.1 Micropropagation	9
2.3.2 Shoot induction	10
2.4 Plant growth regulator	11
2.4.1 Cytokinin	11
2.4.2 6-Benzylaminopurine (BAP)	11
2.4.3 Kinetin (KIN)	12
<b>CHAPTER 3: METHODOLOGY</b>	
3.1 Materials	13
3.1.1 Raw Material	13

3.1.2	Chemicals	13
3.1.3	Apparatus	14
3.2	Methods	
3.2.1	Seed sample collection	14
3.2.2	Seed sterilization	15
3.2.3	Preparation of plant growth regulator (PGR) stock media for shoot induction treatment	16
3.2.4	Preparation of treatment media	16
3.2.5	Seed culture	17
3.3	Observation	19
3.4	Statistical analysis	19

## **CHAPTER 4: RESULT AND DISCUSSION**

4.1	Comparison of <i>Phaleria macrocarpa</i> Growth using different concentration of BAP and KIN	20
4.1.1	Observation week one	20
4.1.2	Observation week two	22
4.1.3	Observation week three	24
4.1.4	Observation week four	24
4.1.5	Observation week twelve	26
4.2	Shoot number	29
4.3	Shoot length	31
4.4	Number of leaves	33

## **CHAPTER 5: CONCLUSION AND RECOMMENDATIONS** **35**

<b>CITED REFERENCES</b>	<b>37</b>
<b>APPENDICES</b>	<b>42</b>
<b>CURRICULUM VITAE</b>	<b>43</b>

## ABSTRACT

### ***In Vitro* SHOOT INDUCTION FROM SEED OF *Phaleria macrocarpa***

*Phaleria macrocarpa* known as God Crown's belong to Thymelaeaceae family posses several medicinal properties such as anti-angiogenic, anti-inflammatory and anti-proliferative. In this research, an attempt was made to initiate shoot induction and to differentiate rate of shoot induction from different concentration of plant growth regulators. The seeds were used as explants for culture initiation and germinated *in vitro* propagation of *Phaleria macrocarpa*. Shoot induction in MS media supplemented with three different concentration of each two different cytokinins were studied for twelve weeks. From the result 6-Benzylaminopurine (BAP) at 2.0 mg/L showed the most optimum concentration for shoot induction and showed highest number of leaves produced and shoot elongation. However, the number of shoot produced for the one explants highly showed in Kinetin (KIN) at concentration 1.0 mg/L.