

DYEING OF COTTON AND SILK FABRIC WITH *ARCHIDENDRON JIRINGA* USING
PHYSALIS PERUVIANA (LETUP-LETUP) LEAVES AND *TAMARINDUS INDICA*
(TAMARIND) SEED AS NATURAL MORDANTS

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TABLE OF CONTENT

CHAPTER 1	1
Introduction	1
1.1 Background of study	1
1.2 Objective of study	2
1.3 Scope of study	2
1.4 Significance of study	2
CHAPTER 2	3
Literature Review	3
2.1 Description of cotton and silk	3
2.1.1 Properties of cotton	3
2.1.2 Properties of silk	4
2.2 Natural dyes	6
2.2.1 Overview of natural dyes	6
2.3 <i>Archidendron Jiringa</i>	7
2.3.1 Specification of <i>Archidendron Jiringa</i>	7
2.3.2 Uses of <i>Archidendron Jiringa</i>	7
2.4 Mordants	8
2.4.1 Overview of mordants	8
2.4.2 <i>Physalis peruviana</i> leaves and <i>Tamarindus indica</i> seed as natural mordants	10
CHAPTER 3	12
Research Methodology	12
3.1 Preparation for mordants extraction	12
3.1.1 Extraction of <i>Physalis peruviana</i> leaves and <i>Tamarindus indica</i> seed	12
3.2 Preparation of <i>Archidendron Jiringa</i> for extraction	13

3.2.1	Extraction of <i>Archidendron Jiringa</i> pod	13
3.2.2	Meta dyeing using <i>Archidendron Jiringa</i> as natural dye	14
3.3	Evaluation of the dyed cotton and silk fabric	15
3.3.1	Colour/Shade using visual observation	15
3.3.2	Colourfastness to Washing	15
3.3.3	Colourfastness to Light	15
3.3.4	Colourfastness to Rubbing/Crocking	16
CHAPTER 4		17
	Results and Discussion	17
4.1	Colour/Shade	17
4.2	Colourfastness to Washing	20
4.3	Colourfastness to Light	21
4.4	Colourfastness to Rubbing/Crocking	22
CHAPTER 5		23
	Conclusion and Recommendations	23
5.1	Conclusion	23
5.2	Recommendations	23
REFERENCES		24
APPENDIX		26

ABSTRACT

The study is about dyeing with natural mordants. Mordant is the chemical link that fixes the dye to a substrate by combining with the dye pigment to form an insoluble compound. *Physalis peruviana* (Letup-letup) leaves and *Tamarindus indica* (Tamarind) seed were use as natural mordants. The objectives of the study are to extract *Physalis peruviana* (Letup-letup) leaves and *Tamarindus indica* (Tamarind) seed as natural mordants for the dyeing of cotton and silk fabric using *Archidendron Jiringa* pods as natural dyes. Natural mordants were extracted using boiling extraction. The dyed fabrics were test for colourfastness towards washing, light and rubbing/crocking. Results showed shade of the fabrics obtained was dark brown on silk and brown on cotton after *Tamarindus indica* (Tamarind) was used as mordant. For fabrics mordanted with *Physalis peruviana* (Letup-letup) leaves, light yellow were obtained in silk and cotton. In terms of colour properties, it was found that the fabrics that mordanted with *Tamarindus indica* seed have better colour fastness to washing, light and rubbing/crocking than those mordanted with *Physalis peruviana* leaves.