

**DYEING AND APPLICATION OF NATURAL FRAGRANCE USING
CITRUS PLANT COMPONENT ON SILK FABRIC**

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TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS	iii
TABLE OF CONTENTS	iv
LIST OF FIGURES	vi
LIST OF TABLES	viii
ABSTRACT	ix
ABSTRAK	x
CHAPTER 1: INTRODUCTION	
1.0 Introduction	1
1.1 Background of Study	1
1.2 Problem Statement	3
1.3 Research Objective	3
1.4 Significance of the Study	3
1.5 Scope of the Study	4
CHAPTER 2: LITERATURE REVIEW	
2.1 Introduction	5
2.2 Natural Dyes	5
2.2.1 Natural Dyes during the Early Days.	6
2.2.2 Source of Natural Dyes	9
a. Animal Origin	10
b. Mineral Origin	10
c. Plant Origin	11
2.3 Citrus Plant	13
2.3.1 Calamondin Citrus (<i>C. Mitis</i>)	14
2.3.2 Kaffir Citrus (<i>C. Hystrix</i>)	16
2.4 Silk as Natural Textile Fabric for Natural Dyes	17
2.4.1 Formation of Silk Fibre	18
2.4.2 Structure and Properties of Silk	19
2.5 Water Extraction Method	20
2.6 Exhaust Dyeing Technique	21
2.7 Mordant	22
2.7.1 Meta-Mordant Technique	22
2.7.2 Mordant Material	23
a. Citrus Juice as Mordant	24
b. Tamarind as Mordant	24
2.8 Value Added Fragrance	25

CHAPTER 3: METHODOLOGY

3.1	Materials	26
3.1.1	Calamondin Fruit Peels and Kaffir Leaves	26
3.1.2	Mordant	26
3.1.3	Silk Fabric	27
3.2	Methods	27
3.2.1	Fabric Preparation	27
3.2.2	Extraction of Dye	28
3.2.3	Dyeing Technique (Meta-Mordant)	28
3.2.4	Odour Sensory Test Sample Preparation	29
3.3	Evaluation and Testing	30
3.3.1	Evaluation of Colour Depth	30
3.3.2	Colourfastness to Washing	30
3.3.3	Colourfastness to Perspiration	31
3.3.4	Colourfastness to Rubbing and Crocking	32
3.3.5	Odour Sensory Evaluation	32
3.4	Overall Flow of Methodology	34

CHAPTER 4: RESULTS AND DISCUSSION

4.0	Introduction	35
4.1	The Colour of the Dyed Sample	36
a.	Colour of Non-Soaped and Soaped Samples Dyed without and with Calamondin Juice and Tamarind as Mordant	36
b.	Colour of Dyed Samples from Complimentary Test	37
4.2	L*a*b* Colour Prediction Result	38
a.	Comparison between Non-soaped and Soaped Samples	38
b.	Comparison between Non-soaped Samples and Complimentary Test	42
4.3	Colourfastness Results	46
4.3.1	Colourfastness to Washing	47
4.3.2	Colourfastness to Perspiration	48
4.3.3	Colourfastness to Rubbing/Crocking	50
4.4	Fragrance Effect from Kaffir Leaves	51

CHAPTER 5: CONCLUSION AND SUGGESTION 55

REFERENCES 57

ABSTRACT

DYEING AND APPLICATION OF NATURAL FRAGRANCE USING CITRUS PLANT COMPONENT ON SILK FABRIC

Due to the global awareness of the hazardous toxicity that comes from synthetic dyes, dyes from natural sources had gained back the attention by textile researchers. In this research, natural dye was extracted from the peels of calamondin fruit (*Buah Limau Kasturi*) whereas the juice and tamarind were used as the sources of mordant in the exhaustion dyeing process of silk fabric using the technique of meta-mordant. Besides that, kaffir leaves (*Daun Limau Purut*) were used in the dyeing process as the value added element in this research by including the effect of fragrance. Samples were evaluated and tested based on their colour composition, intensity of the fragrance after 5 times of washing and colourfastness properties towards washing, perspiration and rubbing/crocking. The shade of fabric obtained was yellow with a slight of green effect while the results of colourfastness to washing and rubbing/crocking were satisfactory. Based on the results from odour evaluation, samples dyed with tamarind as mordant was the most effective as the fragrance was able to sustain until the final wash cycle.