

**A STUDY ON PALMISTRY COLOR REFLECTANCE
RELATED TO PERSONALITY OF SUBJECT**

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ABSTRACT

Palmistry technique is traditionally known as an ancient art of reading the palm and it can be found in many parts of the world. Since blood circulation in the palm contains valuable information about the health condition of a person, this technique is also acts as one of the aid tools for diagnosing purposes. This thesis will describes the development and analysis of palmistry technique using image processing in term primary additive color component (RGB). The analysis on palmistry will describe about personality of person which is social, non-social, intelligence, non-intelligence, sport and non-sport. Two major of work were carried out to get the result, first the extraction color from palmistry, this process will extract color to a single color component. In this work, samples of palm images are digitally captured under standard and control environment. Other characteristic parameters representing the subject's personality and health are also taken. Statistical tools are applied to the quantified color component indices from the processed image for significant findings that can relate color of palm with respect to the subject's character.

Findings in this research shows the non-social type of personality can be discriminated from other type of personality based on R and G component refer to result from p-value. Another type also can be trace easily based on R component, all this result is justified by statistical test.

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CHAPTER 1

INTRODUCTION

1.1 BACKGROUND OF THE RESEARCH

Palmistry is not fortunes telling but it is the process that can tell about knowing yourself and your personality. Through the study of palmistry, opportunity to see to what extent our thought and feelings influence our happiness and the harmony of those around us can be analyzed [1]. From an ancient technique the way to study hand palm by examine characteristics of the fingers, fingernails, fingerprints and palm skin patterns, skin texture and the famous technique is read line of hand. But many casual observers of the hand argue that the lines are merely flexure creases, allowing the opening and closing movements of the hands. While it does appear to be true that the lines do in fact aid these movement, so palmists have discovered through continued research that there is far more to the palmar lines than this. After years of close inspection of many hundreds of thousands of hands, palmists have discovered that the lines are continually changing and rarely constant. Observation has shown that the line can and do change in appearance, length, quality and that no two hands ever reveal the same formation.

Conventionally, the palm lines, texture and color are observed visually by the human eye, this method might results error in percentage accuracy since people have different depthness in visualization. Furthermore, it consumes time and experience for any conclusive prediction. With the advancement of computer and vision technology, color reflected from the palm can be quantified using advanced image processing method [1]. These numerical can be analyzed for further experimental research in palmistry.