

**COLOUR MATCHING DATABASE ON PRIMAZIN REACTIVE
DYES ON COTTON BY USING DATAMATCH COLOUR**

By

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CHAPTER 1.

INTRODUCTION.

1.0 BACKGROUND OF STUDY

Colour Matching Database is smart software where possible recipes from dyed sample can be produced. The Colour Matching Database software in Textile Laboratory A231, Faculty of Applied Science is of version 3.5. By using this software, information about dye set, substrate, process, dyestuff, the number of the recipes and the number of dyestuff used in each recipes, total concentration used in each recipes and also the cost of each recipes are displayed on recipe table. But, before the computer is able to display that information, a standard database must be created. After creating a standard database, the computer is able to display a possible recipe on recipes table. In-creating a standard database for colour matching, primary colours are used because primary colours are the basic colours that can mix with other primary colour to produce secondary colour. Theoretically, the primary colours are red, blue and yellow. But chemically, the primary colours are red, blue and green. Red, blue, yellow and green will be used as basic colours in this project following the advice from people in apparel industry. After standard database is created, one dyed sample will be measured with Spectrophotometer to make sure other user can use the standard database.