

**ABSTRACT**

M. Sc. Thesis

**PYRIMIDINE AZO DYES**

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In this study, 4,6-dihydroxy-2-methylpyrimidine used coupling component for hetarylazo dyes. The 5-hetarylazo dyes (**1-4**) of 4,6-dihydroxy-2-methyl-pyrimidine were prepared from coupling of 4,6-dihydroxy-2-methylpyrimidine with diazotised 2-amino-(benzo)thiazole(s). Chemical structures of dyes **1-4** were determined by FT-IR, <sup>1</sup>H-NMR, Mass spectroscopic methods and elemental analyses, and the effects of solvent, concentration, temperature and acide-base on their absorption spectra were examined.

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