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Formulation and Evaluation of Herbal Hair Dye

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Abstract: *Background: The plant henna has a natural coloring pigment that is used to dye skin, fingernails, hair, and textiles like leather, silk, and wool. It may also be utilized for impermanent body art. An active ingredient in henna plants identified as "lawsone" is an orange-reddish dye that combines to the protein keratin of human skin to color it. Materials and Methods: Herbal hair dye formulation is prepared to get a darker black natural hair dye that is free from any harmful chemicals. The main constituent used is henna which gives an orangish colour to hair. Different other natural compounds were mixed to get a darker color as well as to protect the hair. The formulation also prevents hair from premature greying, hair fall, cleaning of dandruff, etc. The formulation promotes hair growth and helps to maintain a healthy environment for hair to grow. The main four constituents used for coloring were Henna (50%), Indigo (30%) Coffee (4%) and Amla (4%), which also promote hair growth. Other constituents such as Shikakai (2%), Reetha (2%), Brahmi (2%), Red Sandalwood (2%), Hibiscus (2%), Bhringraj (2%) were mixed to get natural black color to hair. Results: The herbal hair dye pack was formulated, evaluated and its application on the blonde hair was carried out. The two formulations A and B when applied to blonde hair string the color obtained are similar to natural black hair color. Conclusion: However, further studies on the application of formulated hair dye packs on different shades of human hair are required to determine its full range of potential advantages..*

Keywords: Herbal hair dye, Henna, Phytochemical evaluation, Molisch test, Hair dye formulation

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