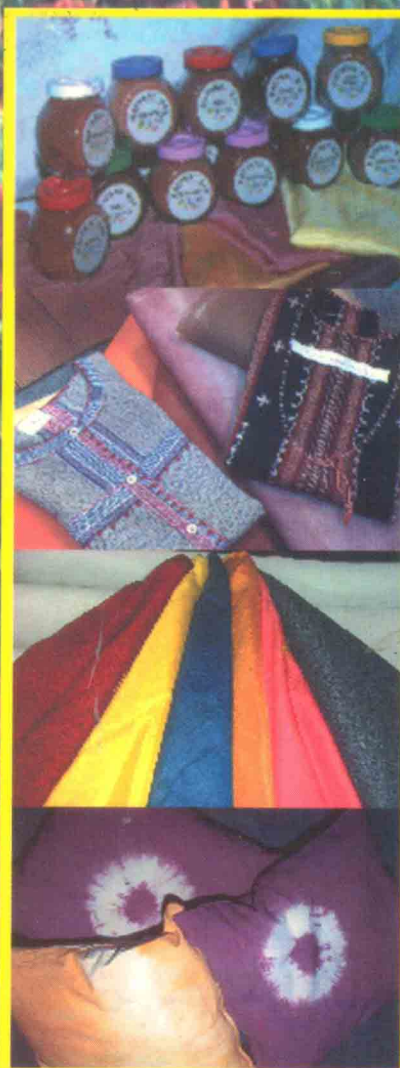


# ***Gampol***



**A compendium of  
Philippine dye yielding plants  
and their textile application  
Volume I**

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A compendium of  
Philippine dye yielding plants  
and their textile application

Volume 1

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Metro Manila

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Published by the AYALA FOUNDATION Inc. (AFI)  
10/F BPI Building, Ayala Avenue  
Makati City, Philippines

ISBN - 971 - 8551 - 34 - 4

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## *Foreword*

For decades of our history, Filipinos have used naturally dyed textile materials. Overtime however, the use of natural dyes for coloring textiles was nearly abandoned due to very intensive use of labor, time consuming and unreproducible processes and were, to a large extent, replaced by synthetic dyes which are easier to prepare, apply and generally cheaper.

As a result of heightened ecological awareness and growing global concern for the environment, interest in projects and studies to address the various issues has intensified. The textile industry, which is known to be one of the major pollutants of the environment, became conscious to undertake environmentally sound, culturally sensitive and economically beneficial programs for the farmers, weavers, dyers and plant harvesters. Various government agencies and concerned private sectors launched projects focusing on minimizing the negative effects to the natural ecosystems.

The Philippine Textile Research Institute (PTRI) is among the government agencies that vigorously pursued efforts for the conservation of the environment. Research and development activities on natural dyeing methods for the different dye yielding plants found in the Philippines have been actively undertaken which could contribute

substantial inputs in reducing pollutants in waste water and environment brought about by commercial chemical dyeing.

The infusion of scientific methods of dye extraction from identified plant dye sources and application to textiles have been developed, verified and standardized with technical interventions resulting to better quality of dyed materials, shorter time of dyeing, improved colorfastness and reproducibility. These are now being transferred to the beneficiaries and other interested users.

To promote the use of natural dyes to a greater number of users and contribute to the textile dyeing industry, this compendium of dyes from identified indigenous sources was published with the funding assistance from the Center for Social Development of Ayala Foundation, Inc. (AFI-CSD) cognizant of the socio-economic benefits brought about by the technology. AFI-CSD and PTRI-DOST collaborated in the implementation of a livelihood project for the promotion and enhancement of the silk weaving technology in Laguindingan, Misamis Oriental in Mindanao. The quality of the silk products is being enhanced through the application of the natural dyeing technology.

The compendium contains simple taxonomical data, uses and descriptions, and the appropriate scientific process of extraction and dye application to textile materials. Colors or

shades when applied to textiles are also shown. Photographs of the plants were also posted for easier identification and better appreciation.

It is our earnest desire together with AFI-CSD that this first published compendium on locally found plant dye sources with guide to textile application would add momentum to the study and utilization of natural dyes for textiles. Hopefully, this compendium will be a very useful tool for the textile-based industries, dyers, weavers, students, researchers and other interested groups in rediscovering the beauty and elegance of our natural colors.

**CARLOS C. TOMBOC**

Director

# Acknowledgement

To put together the elements of the traditional art of natural dyeing and the optimized and established natural dyeing technology and come up with a compendium is a challenging task, which we dared to pursue. Everything would have just been an elusive dream without the assistance/support of the following:

**Dr. Carlos Tomboc** for his contagious enthusiasm to pursue this endeavor and his technical comments and suggestions.

**Marnie B. Dones**, for her valuable suggestions and comments, and for the overall layout of the manuscript.

**Rudy Fenoy and Eduardo Valentino**, for sourcing the dye yielding plants we used, taking their photographs and for the assistance all throughout the endeavor.

**Nora Mangalindan, Paraluman Gonzales and the RDD staff**, for providing valuable insights for the improvement of the compendium.

**Technical Services Division testing staff**, for the assistance in testing the physical properties of the dyed materials.

**Technical Review Board** for the keen criticism of the manuscript.

**The Center for Social Development of Ayala Foundation Inc.**, for the shared vision and resources.

We bring back all the glory to the *Lord Almighty*, to whom no dreams are too small or too elusive to move mountains.

The Authors





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