

Workshop Fee

RM900/person

The registration fee includes course materials, refreshments and a certificate of participation. Fees may be paid by check / LO, journals or cash to

"KIRA-KIRA AM UPM".

SPEAKERS

Dr. Ainun Zuriyati Mohamed @ Asaari

A senior research officer and head of Pulp and Paper Programme in INTROP since 2009. Previously, she worked at the Forest Research Institute Malaysia (FRIM), Politeknik Shah Alam and the School of Industrial Technology, USM. She start involves in the pulp and paper research over since 18 years ago. Recently, she is focusing on the production of specialty paper such as water resistant paper, information storage paper and odourless paper besides fundamental research on nanotechnology.

Dr. Rasmina Halis

A senior lecturer and Head of Department at the Department of Forest Production, Faculty of Forestry Universiti Putra Malaysia (UPM), Serdang, Selangor. She has been served for 10 years at UPM and has extensive experience in the field of wood chemistry and pulp & paper for the past 18 years. Previously, she served at Universiti Sains Malaysia and Universiti Kebangsaan Malaysia before joining UPM. Her recent research area is in the pulp and paper biotechnology which involves the use of microorganisms in the pulp and paper covers from raw materials to waste water treatment.

Assoc. Prof. Dr. Umi Kalsom Md Shah

An Associate Professor who specialized in the field of Environmental Biotechnology and Fermentation Technology at Faculty of Biotechnology and Molecular Sciences. Previously she served at Malaysian Agriculture Research and Development Institute (MARDI) and focusing on lignocellulose degradation. She involves in the field of her expertise since the past 30 years.

APPLICATION FORM

Complete the following form and email to

pulpa.upm@gmail.com

or

fax to **03 - 89471896**

Name (with title) : _____

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- ☐ Student
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Contact us

Email: **pulpa.upm@gmail.com**

Telephone

03 - 8946 7010 (Dr. Ainun Zuriyati Mohamed @ Asa'ari)

03 - 8946 7009 (Mrs. Nazlia Girun)

Website: **www.introp.upm.edu.my**



The Introductory of Pulp and Paper Workshop



Date:

28-30 October 2014

Venue:

**Institute of Tropical Forestry and Forest
Products (INTROP), UPM.**

Organizer:

**Pulp & Paper and Pollution Control
Programme,
Laboratory of Biopolymer and Derivatives
(BADs),
INTROP, Universiti Putra Malaysia.**

About the Workshop

Introduction

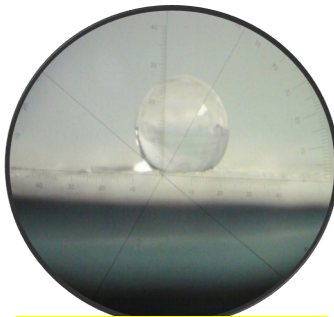
Paper is a material which is so synonymous to us since long time ago. It is a very important medium in a variety of applications such as data storage media, presentation, packaging, interior design, cooking, crafts, sanitary, security and many more. Despite the wide use, not many know how to make paper and yet to appreciate the value of a piece of paper. Thus, the Pulp & Paper and Pollution Control Programme, has taken an initiative to organize such course for the second time.

Objective

1. To deliver a fundamental understanding of the knowledge on pulp and paper
2. To train the basic practical involve in the making of paper

Who should attend

Open to the government servant, private sector, researchers, graduate students, post-graduate students, businessmen and individuals who are keen to learn the theoretical and practical basis of pulp and paper manufacturing.



A droplet of water on water resistant paper

Programme Tentative

28.10.2014 (Tuesday)

0800-0830: Registration and refreshment
0830-0845: Welcoming speech by Head of Laboratory, BADs
0845-1045: **INTRODUCTION & THEORY OF CHEMICAL PULPING**
1045-1245: **PRACTICAL OF CHEMICAL PREPARATION AND SODA PULPING**
1245-1400: Lunch break & Zohor prayer
1400-1500: **THEORY OF MECHANICAL PULPING**
1500-1630: **PRACTICAL OF REFINERY MECHANICAL PULPING**
1630-1700: Refreshment
1700 : End of day 1

29.10.2014 (Wednesday)

0830-1030: **THEORY OF STOCK PREPARATION**
1030-1045: Refreshment
1045-1230: **PRACTICAL OF BEATING AND DETERMINATION OF PULP FREENESS**
1230-1400: Lunch break & Zohor prayer
1400-1600: **THEORY OF PULP TESTING**
1600-1630: Refreshment
1630 : End of day 2



Wet web of pulp



Dividing pulp slurry prior papermaking

30.10.2014 (Thursday)

0830-1030: **THEORY OF PAPERMAKING**
1030-1045: Refreshment
1045-1245: **PRACTICAL OF PAPERMAKING**
1245-1400: Lunch break & Zohor prayer
1400-1600: **TEST & REVISION**
1600-1630: Presentation of certificates and closing remarks by Head of laboratory, BADs
1630-1700: Refreshment
1700 : End of workshop



Chips ready to be cooked



Pulp washing