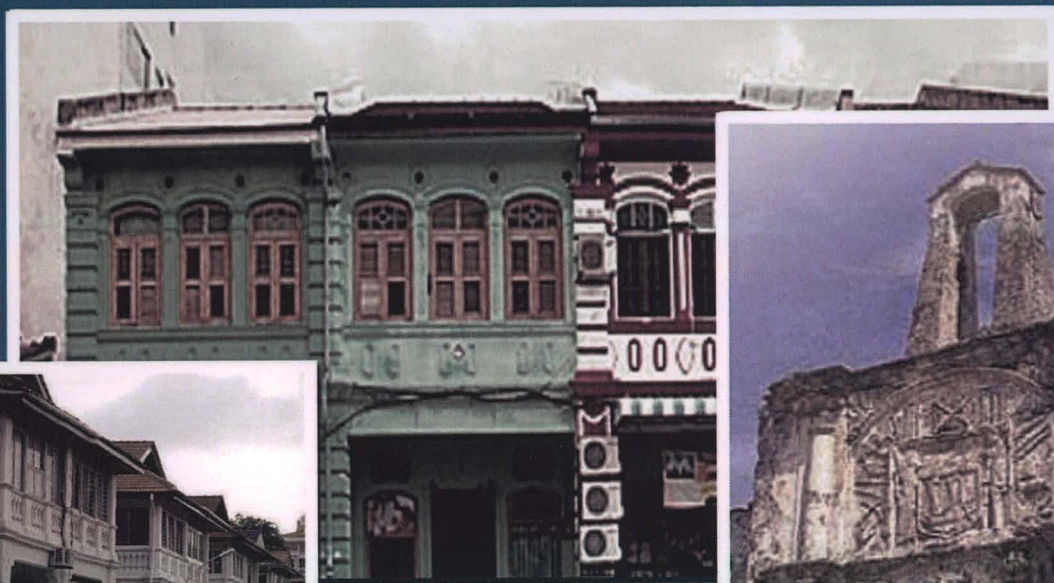


# HERITAGE AND CONSERVATION



MANSOR IBRAHIM  
ASIAH ABDUL RAHIM  
ISMAWI HJ ZEN  
MANDANA BARKESHLI



IIUM PRESS  
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

# HERITAGE AND CONSERVATION

Edited By

Mansor Ibrahim  
Asiah Abdul Rahim  
Ismawi Hj Zen  
Mandana Barkeshli



*KAED Universal Design Unit, KAED  
International Islamic University Malaysia (IIUM) Kuala Lumpur MALAYSIA*



**IIUM Press**

Published by:  
IIUM Press  
International Islamic University Malaysia

First Edition, 2011  
©IIUM Press, IIUM

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without any prior written permission of the publisher.

Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

ISBN: 978-967-418-129-1

Member of Majlis Penerbitan Ilmiah Malaysia – MAPIM  
(Malaysian Scholarly Publishing Council)

Printed by :  
**IIUM PRINTING SDN.BHD.**  
No. 1, Jalan Industri Batu Caves 1/3  
Taman Perindustrian Batu Caves  
Batu Caves Centre Point  
68100 Batu Caves  
Selangor Darul Ehsan  
Tel: +603-6188 1542 / 44 / 45 Fax: +603-6188 1543  
EMAIL: iiumprinting@yahoo.com

## Contents

|                         |   |    |
|-------------------------|---|----|
| <b>Acknowledgements</b> |   | i  |
| <b>Preface</b>          |   | ii |
| <b>Chapter 1</b>        | Environmental Crime Prevention Measures for Kindergarten Landscape Area<br><i>Nur Amalina Ali Mohamad and Ismawi Hj Zen</i>   | 1  |
| <b>Chapter 2</b>        | Documentation and Preservation of Melaka Shophouse<br><i>Noorfadhilah Mohd Baroldin, Kamarul Bahrin Buyong and Shamzani Affendy Mohd Din</i>  | 8  |
| <b>Chapter 3</b>        | Identification of Physical Problems on 19th Century Malay Manuscripts from Malay Peninsula: A Study from Visual Observation<br><i>Sharifah Tahirah Syed Kamarulzaman, Mandana Barkeshli and Shamzani Affendy Mohd Din</i> | 20 |
| <b>Chapter 4</b>        | Historical Malay World Qur'ans: An Investigation on Material Technology of the Colorants<br><i>Rajabi Abdul Razak and Mandana Barkeshli</i>   | 32 |
| <b>Chapter 5</b>        | Evaluating Traditional Measures for the Care of Keris From Scientific Point of View<br><i>Muktaruddin Musa, Mohd Hanafi Ani, Mandana Barkeshli and Raihan Othman</i>  | 46 |
| <b>Chapter 6</b>        | From Tamezuki to Samarghandi Paper: A New Approach to Restoration Technique of Islamic Paper Manuscripts<br><i>Mandana Barkeshli</i>  | 52 |
| <b>Chapter 7</b>        | Intangible Cultural Heritage (ICH): Understanding and Manifestations  |    |

*Aisyah Abu Bakar, Mariana Mohamed osman and Syahriah Bachok* 66

**Chapter 8** Islamic Values and Veil Architecture: Case Study Traditional Iranian Courtyard Houses  
*Fatin Zahida Abu Hassan and Asiah Abdul Rahim* 73

## CHAPTER 6

### FROM TAMEZUKI TO SAMARGHANDI PAPER: A NEW APPROACH TO RESTORATION TECHNIQUE OF ISLAMIC PAPER MANUSCRIPTS

Mandana Barkeshli

#### ABSTRACT

The present study has carried out in two phases. In the first phase the author has investigated the trace of handmade paper making in Islamic civilization based on the techniques that is still in practice in Japan namely *Nagashizuki* and *Tamezuki*. In the second phase the research is done to introduce a new technique for restoration of historical manuscript using the match fiber handmade paper making technique. For restoring the lost areas of a paper manuscript, ready-made Japanese tissue papers are commonly used in the form of either pulp or patch. The tissue papers that are generally used to fill the lost area may behave differently than the original historical papers owing to environmental factors, especially in terms of shrinkage. A new approach to restoring the lost area of an Iranian Holy Quran belonging to thirteenth century as case study will be introduced. The scientific analysis was carried out by identifying the paper fibers from original sample known as *Samarkandi* paper and making handmade paper based on *Tamezuki* technique the same technique that the author believed it was used in Samarkand originally.

**Keywords:** Holy Quran, *Samarkandi* Paper, Handmade Paper, Paper-Making, *Tamezuki*, *Nagashizuki*, Lacunae, Filling, Patching, Paper Bank

#### INTRODUCTION

The 1992 Japanese Paper Conservation Course (JPC) in which the author participated was a very good experience that led to an unexpected experiment. After getting expose to the paper making in Nara and getting the chance to understand the paper making in details and the paper-making techniques that originally goes back to 2<sup>nd</sup> B.C. the author had an excellent chance to explore the possibilities of applying what had been learned during her journey in Japan. The present paper deals with the researches and studies that are done with relation to the trace of hand-made paper making in Islamic civilization and the new restoration techniques based on hand-made paper making which are carried out in two phases.

In the first phase the two techniques used in Japan namely *Nagashizuki* and *Tamezuki* techniques were studied in details to trace the technique