

New Approches in Applied Arts and Design

Creativity and Sustainability

Mandana Barkeshli



IIUM PRESS

INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

New Approaches in Applied Arts & Design - Creativity and Sustainability

Mandana Barkeshli



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

Mandana Barkeshli: **New Approaches in Applied Arts & Design - Creativity and Sustainability**

ISBN: 978-967-418-041-6

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

CONTENTS

Editor and Contributor	v
The Contributors	vii
List of figures, Tables and Concepts, Diagrams and Pictures.....	viii
Figures.....	xi
Tables and Concepts	xiii
Diagrams and Pictures	xiii
Abbreviations.....	xv
Acknowledgements.....	xix
Introduction - <i>Mandana Barkeshli</i>	15
From Tamezuki to Samarkhandi Paper - A New Approach to Restoration Technique of Islamic Paper Manuscripts - <i>Mandana Barkeshli</i>	19
Technique and Method in Documentation of Heritage building: The Use of 3D Laser Scanning on Kampung Laut Mosque Kelantan - <i>Harlina Md Sharif and Hazman Hazumi</i>	33
Product Branding Equals Interior Design Branding? A Perspective of the reside of an International Branding – ‘From Zero to Hero’ - <i>Ariff Budiman</i>	56
Proposed Guidelines for Designing a Toy with an Integration of Fundamental Element of Universal Design & Islamic Perspective - <i>Muhammad Bin Husin</i>	64
Islamic Calligraphy as Compositional Elements in Carved Components of Selected Kelantan and Terengganu Houses - <i>Zumahiran Kamarudin</i>	80
Recommendation of Rehabilitation Spaces, Children with Disabilities of Sensory, Physical and Cognitive Behaviour - <i>Ismail Jasmani</i>	89
‘Green’ Interior Design in Islamic Perspective - <i>Ariff Budiman</i>	97
An Analysis of Decoration Elements in Masjid Al Azim, Melaka Malaysia - <i>Noorzalifa Zainul Abidin</i>	104
Exploration of New Concept on Wheelchair Design for Hajj Purpose - <i>Muhammad Husin Muhammad Bin Husin</i>	113
Interior Courtyard and Garden Design Relation to a Man Psychology - <i>Ismail Jasmani</i> ..	133

CHAPTER NINE

EXPLORATION OF NEW CONCEPT ON WHEELCHAIR DESIGN FOR HAJJ PURPOSE

Muhammad Bin Husin
Ahmad 'Adlan Bin Mohamed Khalidi

ABSTRACT

Hajj is one of the pillars of Islam. Muslim from all over the world will come to Makkah to perform the holy devotion. It is also called '*the peak of all devotion in the Muslim world*'. It is also a part of Jihad since one would have to be equipped physically and financially. However, some of the people who go to perform Hajj are quite old; they do have problems performing all the rites in Hajj such as Tawaf and Sai' which requires them to be physically fit. They will use a wheelchair assistant service to help them with their rites. Usually they will use the common medical wheelchair to achieve their objective. This research paper encompasses a study about Hajj including its process, environment, experiences and also the wheelchair design concept.

[Keywords: Wheelchair Design, hajj rites and physical activities,]

1.0 INTRODUCTION

Hajj is one of the pillars of Islam and a Muslim should perform Hajj if he can afford it. Hajj is the annual event for Muslim from all over the world. Every year, millions of people go to the Holy Mosque of Ka'ba to perform their Hajj and Umra.

There are lots of benefits for the pilgrims who go to the Holy Land for Hajj. As Muslims, Hajj is one of the worship to test one's obedience and gratefulness towards their God. Besides that, it can also help them to gain benefit in this life and the Hereafter.

At the individual level, a pilgrim may renew his remembrance towards Allah as The Creator and also to strengthen the relationship between a Muslim and his Lord. While wearing *ihram*, a white cloth which is like a shroud, a Muslim can imagine the Great Day in which Allah will resurrect all people to be judged for their good and bad deeds in the world.

The Holy Land Makkah is a vital place for a Muslim to receive blessings from Allah. Hajj is also a learning process for a Muslim to learn and practice more about worship, doing sacrifice and also spending for the sake of Allah. The spirit of Hajj is the spirit of total sacrifice because a Muslim will get out of his comfort zone and all the worldly matters. They will also have to sacrifice their wealth and time and present themselves in front of God regardless of their nationality, work or social status.

Furthermore, they also have to sacrifice leaving their relatives, friends and family behind. Besides that, at a social level, Hajj is an annual congregation where Muslims from all