
ACROSS BORDERS

AN OVERVIEW OF ISSUES IN
MANAGEMENT & BUSINESS / SCIENCE & TECHNOLOGY
/ SOCIAL SCIENCE & HUMANITIES
2009-2011

PROJECT TEAM

Dr. Roaimah Hj. Omar
Dr. David Loh Er Fu
Nor Raihan Abu Bakar
Siti Zuraina Gafar@Abd Ghaffar
Muhamad Hanapi Khamis
Siti Nurshahidah Sah Allam

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**Division of Research, Industrial Linkages & Alumni
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Cawangan Melaka**

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PREFACE

Across Borders is designed for use in knowledge development in various disciplines. It is written to accommodate the interest of academicians and industry. The compilation of research abstracts from different fields provides valuable information to assist the expansion of knowledge and development. It also serves as a reference for Universiti Teknologi MARA (UiTM) Melaka Campus and the Division of Research, Industrial Linkages & Alumni.

The compilation of proceeding abstracts includes 83 research abstracts that are divided into 3 sections according to their respective disciplines; Management and Business, Science and Technology, and Social Science and Humanities.

It is hoped that this book would inspire its readers to undertake further research in the specific fields or disciplines.

ACKNOWLEDGEMENT

The project team of this Across Borders would like to express their deepest appreciation to all the researchers from the various faculties for their participation. Without their on-going contributions the book would not be possible. We are indebted to the Rector of Universiti Teknologi MARA (UiTM) Melaka Campus and the Division of Research, Industrial Linkages & Alumni for mooted the idea of having this book and getting the project started.

We would like to sincerely thank all our friends, colleagues, and acquaintances for their roles, direct and indirect contributions and invaluable support in the compilation of the 83 proceeding abstracts.

THE HOMOLOGICAL FUNCTORS OF 2-GENERATOR 2-GROUPS OF NILPOTENCY CLASS TWO OF TYPE 2

Nor Haniza Sarmin
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ABSTRACT

The classification of 2-generator 2-groups of nilpotency class two and their nonabelian tensor squares given by Kappe, Sarmin and Visscher in 1999 will be used throughout this research. The homological functors of all 2-generator 2-groups of nilpotency class two of Type 2 will be given in this paper. Furthermore, the nonabelian tensor squares and homological functors of one specific group of Type 2 will also be computed. The results of these computations will be verified by Groups, Algorithms and Programming (GAP) software.

KEYWORDS

Homological functors, nonabelian tensor squares, GAP