

MODELING THE MULTIGROUP MODERATOR-MEDIATOR
ON MOTIVATION AMONG YOUTH USING STRUCTURAL
EQUATION MODELING (SEM)

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DEDICATION

To

Abah- Wan Afthanorhan Bin Wan Aftuluddin & Ma- Parhayati Binti Hanapi

Who inspired me to further study

My beloved sister – Wan Nur Anis & Wan Siti Nur Aisyah

And brother- Wan Mohamad Aizat

Who supported me

All lecturers of M.Sc.Mathematics,UMT thanks for everything

Supervisor- Assoc. Prof. Dr. Sabri Bin Ahmad 2012/2013

sweet memories in UMT will be always in my mind

Abstrak tesis yang dikemukakan kepada Senat Universiti Malaysia Terengganu sebagai memenuhi syarat untuk Ijazah Sarjana Sains

**PEMODELAN *MODERATOR-MEDIATOR* PELBAGAI
KUMPULAN TERHADAP MOTIVASI BELIA
MENGUNAKAN KAEDAH PEMODELAN PERSAMAAN
BERSTRUKTUR.**

Wan Mohamad Asyraf Bin Wan Afthanorhan

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Pusat Pengajian : Informatik dan Matematik Gunaan

Kajian ini bertujuan untuk menilai faktor-faktor yang digunakan bagi membangunkan sebuah model yang terbaik berdasarkan kesan penengah-penyerderhanaan gandaan pada motivasi dalam kalangan belia di Institusi Pengajian Tinggi terhadap program kesukarelawan. Data yang dikumpulkan melalui borang soal selidik yang telah diedarkan di empat buah institusi pendidikan tinggi. Borang soal selidik ini dibina berdasarkan lima dimensi iaitu motivasi, faedah, sokongan kerajaan, halangan dan cabaran. Data yang telah diedarkan menggunakan teknik persampelan berstrata dan melibatkan 453 responden. Dalam kes ini, data telah dianalisis melalui Pemodelan Persamaan Berstruktur (SEM) dengan menggunakan Struktur Analisis Masa (AMOS) 18.0 dengan bantuan Pakej Alat Statistik (STP) untuk mengkaji pengaruh pembolehubah luaran dan dalaman. Hasilnya menunjukkan bahawa sokongan kerajaan adalah penting dan pengaruh langsung ke atas motivasi, faedah, cabaran dan halangan. Selain itu, faedah dan halangan adalah

pengaruh penting dan langsung kepada motivasi manakala cabaran adalah pengaruh penting pada motivasi. Secara umumnya, penemuan mendedahkan bahawa pengaruh manfaat adalah yang paling penting untuk motivasi kesukarelawanan. Seterusnya, prosedur sederhana digunakan untuk mengkaji kekuatan pengaruh hubungan antara pembolehubah. Hasil kajian menunjukkan semua laluan adalah tidak penting melainkan sokongan kerajaan ke atas manfaat.

Kata Kunci: Teknik Persampelan Berstrata, Kesukarelawanan, Pemodelan Persamaan Struktur, *Moderator-Mediator*.

Abstract of thesis presented to the Senate of Universiti Malaysia Terengganu in fulfillment of the requirement for the degree of Master of Science

MODELLING THE MULTIGROUP MODERATOR-MEDIATOR ON MOTIVATION AMONG YOUTH USING STRUCTURAL EQUATION MODELING (SEM)

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Mei 2013

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School : Informatics & Applied Mathematics

This study aimed to evaluate the factors used for develop a best model of multigroup moderator-mediator effect on motivation among youth in higher education institution towards volunteerism program. The data were collected through questionnaires distributed at four higher education institution. This questionnaire is constructed based on five dimension which is motivation, benefits, government support, barrier and challenges. The data were distributed by using stratified sampling technique and involving 453 respondents. In this case, the data were analyzed through Structural Equation Modelling (SEM) by using Analysis Moment of Structural (AMOS) 18.0 with the help of Statistical Tools Package (STP) to examine the influence of exogenous and endogenous variables. As a result showed that the government support is significant and direct influences on motivation, benefits, challenges and barrier. Moreover, the benefits and barrier is significant and direct influence on motivation while the challenges is insignificant influence on motivation. In generals,

the findings revealed that benefits influence is most crucial for motivation of volunteerism. Next, moderation procedure is applied to examine the strength of influence of relationship between these variables. The findings suggest all path are insignificant unless government support on benefits.

Keywords: Stratified Sampling Technique, Volunteerism, Structural Equation Modelling, Mediating and Moderating effect