

FACULTY OF MUSIC UNIVERSITI TEKNOLOGI MARA

MUF655 RESEARCH PROJECT

MUSIC COMPOSITION REALISATION:
THE EFFECTIVENESS OF USING
MUSICAL INSTRUMENT DIGITAL INTERFACE (MIDI)
AMONG MUSIC COMPOSITION STUDENTS

NOR FARAHEIN BINTI YACOB 2014778599

SEMESTER SEPTEMBER - JANUARY 2015

DECLARATION OF AUTHENTICITY

Student Name:	NOR FARAHEIN BINTI YACOB	Student ID: 2014778599		
Date of Birth:8 AUGUST 1994				
Course Title:	MUF655- RESEARCH PROJECT			
Topic of	MUSIC COMPOSITION REALISATION: THE			
work:	EFFECTIVENESS OF USING MUSICAL INSTRUMENT			
	DIGITAL INTERFACE(MIDI) AMONG MUSIC COMPOSITION			
	STUDENTS			

I declare herewith, that this above-mentioned work (essay, project, thesis etc.) is my own original work.

Furthermore, I confirm that:

- this work has been composed by me without assistance;
- I have clearly referenced in accordance with departmental requirements, in both the text and the bibliography or references, all sources (either from a printed source, internet or any other source) used in the work;
- all data and findings in the work have not been falsified or embellished;
- this work has not been previously, or concurrently, used either for other courses or within other exam processes as an exam work;
- this work has not been published.

Signature:

Date: 20/1/17

ABSTRACT

The revolution of technology helps the composition process in way that so many works could be done with all the software that we have today. The existence of musical instrument digital interface (MIDI) works as a medium for most of music producers in making music. This study is aiming to investigate the effectiveness of using musical instrument digital interface (MIDI) among music composition students. It is also to find out how the music compositions students perceive the importance of using MIDI for music notation and piano roll sequencing based on their preferred digital audio workstation software. Other than that, this study is to investigate the knowledge of music composition students using MIDI in realizing their works.

TABLE OF CONTENT

List of Figu	ires.		vi
List of Tab	les		vii
Chapter 1	INTRODUCTION	1	
	Background of the Study	2	
	History of MIDI	2	
	MIDI in DAW	5	
	Piano roll in DAW	7	
	MIDI and Music Theory Courses	9	
	MIDI and Music Technology Courses	10	
	MIDI and Composition Courses	11	
	Statement of the Problem	12	
	Research Objectives	14	
	Research Questions	14	
	Significant of the Study	15	
	Limitation of the Study	15	
Chapter 2	LITERATURE REVIEW		
	The use of Musical Instrument Digital Interface; MIDI in DAW	16	
	The effectiveness of using MIDI	18	
Chapter 3	METHODOLOGY	20	
	Research Design	20	
	Sample	20	
	Research Instruments	20	
	Data Collection	20	
	Data Analysis	21	
	Pilot Study	21	
	Final Survey	24	

Chapter 4	FINDINGS	25
	Demographic profile of respondents	25
	The knowledge of music compositions students using MIDI	
	in realizing their works	28
	The important of using MIDI for music notating and piano roll	
	sequencing based on their preferred digital audio workstation	
	software	34
	The effectiveness of using MIDI by music composition students	in
	realizing their works	40
Chapter 5	SUMMARY, CONCLUSIONS AND	
	RECOMMENDATIONS	43
Appendices		45
References		49