



DEPARTMENT OF BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING
AND SURVEYING
MARA UNIVERSITY OF TECHNOLOGY
SHAH ALAM

OPERATION AND MAINTENANCE OF
DOCUMENT CONVEYOR SYSTEM

BAYANI BINTI MOHD NORDDIN
2003631854

BACHELOR OF BUILDING SURVEYING (Hons)

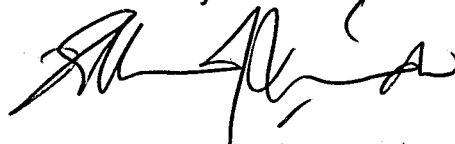
APRIL 2007

DEPARTMENT OF BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
MARA UNIVERSITY OF TECHNOLOGY
SHAH ALAM

Dissertation (BSV 695) confirmation amendment of dissertation

This is to confirm that the student as made amendment as directed an allowed to complied her dissertation.

Student : Bayani Binti Mohd.Norddin
UiTM ID : 2005631854
Title : Operation and maintenance of document conveyor system
Session : Jan 2007 - May 2007
Supervisor : En. Ellemy Iskandar Bin Khalid
Signature :



Date : 28 March 2007

TABLE OF CONTENTS

BIL	CONTENTS	PAGES
	<i>Abstract</i>	<i>i</i>
	<i>Acknowledgement</i>	<i>ii</i>
	<i>List of tables</i>	<i>iii</i>
	<i>List of pictures</i>	<i>iv</i>
	<i>List of photos</i>	<i>v</i>
	<i>List of figures</i>	<i>vii</i>
	<i>List of graphs</i>	<i>viii</i>
	<i>List of charts</i>	<i>ix</i>
	<i>List of appendixes</i>	<i>x</i>
	<i>References</i>	<i>x</i>

CHAPTER 1

INTRODUCTION

1.0	Introduction	1
1.1	Definition of Topic	2
1.2	Issue	3
1.3	Objective of Study	4
1.4	Scope of Study	4
1.5	Methodology of Study	5
	1.5.1 Observation and Survey	5
	1.5.2 Interview	5
	1.5.3 Methodology of Studies	6

ABSTRACT

Document conveyor system and pneumatic tube system is important aspect in ensuring efficiency level of any building. Document conveyor system is a transport mechanism is disclosed for transporting a document around a track in a groove. A boundary wall in the form of a continuous wall or an array of guide cylinders is provided on the outside of a corner around which the track passes. A breaking cylinder which is rotated with the same surface velocity as the document constricts the document against the boundary and opens out any longitudinal folds therein to reduce the mechanical strength which they cause in the document. A drive mechanism then flattens the document against the boundary and renders the document flexible for the continuation of its transportation around the curved track. Dog-ears on the leading edge of a document are conditioned to prevent their causing impediment to further document transportation either by being folded back against the document or by being folded back into the plane of the document.

Hospitals are highly complex systems which perform a great variety of tasks. All of these are urgent since the health of people is at stake. The means of transport which combines speed and reliability is the hospital pneumatic tube system. The technology is still used on a smaller scale. A large number of drive-up banks use pneumatic tubes to transport cash and documents between cars and tellers. Most hospitals have a system to deliver drugs, documents and specimens to and from laboratories and nurses' stations. Many factories use them to deliver parts quickly across large campuses. Many larger stores use systems to securely transport excess cash from checkout stands to back offices, and to send change back to cashiers.

Therefore the main objective of this dissertation is to evaluate the case study in aspect the efficiency of both of the system; the cost maintenance and the problem of the both system. Then, the secondary objective also carried out together in this research with data collection to study the operation and maintenance both of the system.

ACKNOWLEDGEMENT

Alhamdulillah and infinite thank to **ALLAH S.W.T** for giving me strength and opportunity to complete this whole dissertation without having much difficulties.

I would also like to thank certain individuals who were very helpful in contribution to my research. They were my dissertation supervisor **Encik Ellemy Iskandar Khalid**, all building surveying department's lecturers. Then, also to individual or group,

- En Fauzi Awang
Mechanical Technician
Radicare (M) Sdn. Bhd.
Hospital Kota Bharu

- En Shahrulazmi Adam
Technician (Customer Support)
Swisslog
Menara Telekom

- En Saleh Ahmad
Perangsang Jati Sdn Bhd
Menara Telekom

Finally, I would like to show my gratitude to this important person in my life; my parents, **En Mohd.Norddin bin Idris** and **Pn. Norizan Ismail**, and my sisters and brother, and my friends. Hopefully this dissertation shall become a beneficial reference for future research.

Bayani Mohd.Norddin