LATEX THESIS TEMPLATE FOR UNIVERSITI PERTAHANAN NASIONAL MALAYSIA

MUHAMMAD SYAFIQ BIN MD. AKHIR

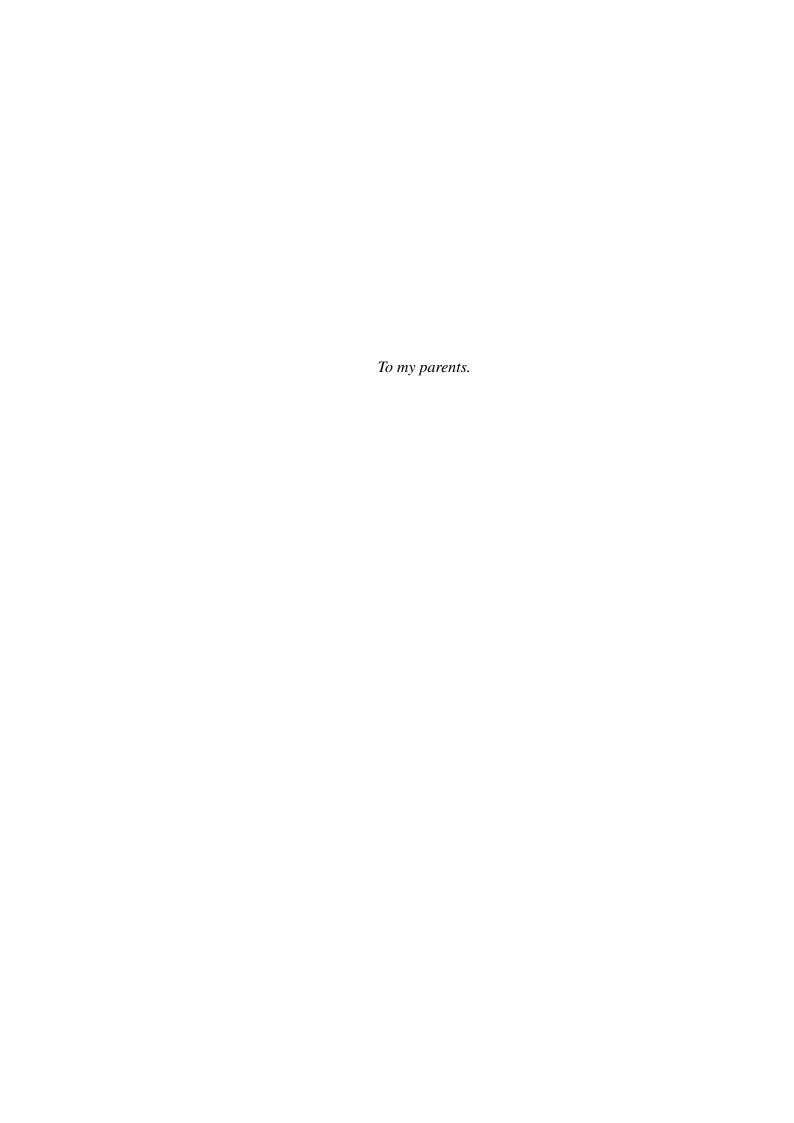
DOCTOR OF PHILOSOPHY

UNIVERSITY PERTAHANAN NASIONAL MALAYSIA

IATEX THESIS TEMPLATE FOR UNIVERSITI PERTAHANAN NASIONAL MALAYSIA



Thesis submitted to **Universiti Pertahanan Nasional Malaysia**, in fulfillment of the requirements of the Degree of Doctor of Philosophy



ABSTRACT

This is about my wonderful research.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

ABSTRAK

Ini merupakan abstrak dalam Bahasa Melayu.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

ACKNOWLEDGEMENTS

Thanks guys. I owe you many.

I certify that an Examination Committee has met on **25 August 2011** to conduct the final examination of **Muhammad Syafiq bin Md. Akhir** on his (or her) degree thesis entitled 'LATEX Thesis Template for Universiti Pertahanan Nasional Malaysia'. The committee recommends that the student be awared the Doctor of Philosophy.

Members of the Examination Committee were as follows.

	Signature
Name of Chairperson, PhD	
Professor	
Faculty of Mathematics	
Universiti Pertahanan Nasional Malaysia	
(Chairman)	
Name of Examiner 1, PhD	
Associate Professor	
Faculty of Engineering	
Universiti Pertahanan Nasional Malaysia	
(Internal Examiner)	
Name of Examiner 2, PhD Faculty of Engineering Universiti Pertahanan Nasional Malaysia (Internal Examiner)	
Name of External, PhD	
Associate Professor	
School of Chemical Engineering	
Imperial College	
(External Examiner)	

This thesis was submitted to the Senate of Universiti Pertahanan Nasional Malaysia and has been accepted as fulfillment of the requirement for the **Doctor of Philosophy**. The members of the Supervisory Committee were as follows.

Name of Chairperson, PhD Associate Professor Faculty of Engineering Universiti Pertahanan Nasional Malaysia (Chairman)	Signature
Name of Member 1, PhD Ir. Faculty of Engineering Universiti Pertahanan Nasional Malaysia (Member)	
Name of Member 2, PhD Faculty of Engineering Universiti Pertahanan Nasional Malaysia (Member)	

UNIVERSITY PERTAHANAN NASIONAL MALAYSIA

DECLARATION OF THESIS

Author's full name	:				
Date of birth	:				
Title	: _				
Academic Session	: _				
I declare that this the	esis is	classified as:			
CONFIDENTIA	AL	(Contains confidential inf Secret Act 1972)*	formation under the Official		
☐ RESTRICTED		(Contains restricted infor organisation where resear	mation as specified by the rch was done)*		
OPEN ACCESS	OPEN ACCESS I agree that my thesis to be published as online open access (full text)				
I acknowledge that I lows.	Univer	siti Pertahanan Nasional I	Malaysia reserves the right as fol-		
2. The library of copies for the	University University	se of research only.	anan Nasional Malaysia. Il Malaysia has the right to make thesis for academic exchanges.		
Signature)		Signature of Main Supervisor		
IC/Passport	No.		Name of Main Supervisor		
Date:			Date:		
	rganis		TRICTED, please attach the letter nd reasons for confidentiallity and		

TABLE OF CONTENTS

				Page
ABSTRACT				iii
ABSTRAK				iv
ACKNOWL	EDGE	MENTS		V
APPROVAL				vi
DECLARAT	ION			viii
LIST OF TA	BLES			X
LIST OF FIG	GURES	8		xi
LIST OF AB	BREV	IATION	NS	xii
CHAPTER				
1	INT	RODU	CTION	1
	1.1	First To	est and I need a really long title, please do oblige	
		me wo	n't you? Just a few more words and yes we're there	1
		1.1.1	Second Test	4
		1.1.2	This is another Subsection	4
	1.2	Yeah		4
2	DU	MMY C	CHAPTER	6
BIBLIOGRA	APHY			7
APPENDICI	ES			7
BIODATA O	F STU	DENT		10
LIST OF PU	BLICA	ATIONS		11

LIST OF TABLES

		Page
1.1	This is a table	5

LIST OF FIGURES

		Page
1.1	First figure. OK?	2
1.2	Second figure. Now I need a long caption to test out how things look	
	in the List of Figures. Is this long enough yet? Is it? Is it?	2
1.3	An example with subfigures	3
	(a) The first subfigure	3
	(b) The second subfigure	3
2.1	Let's see. What have we got here?	6

LIST OF ABBREVIATIONS

- θ temperature degree.
- LI lexical item.
- NLP Natural Language Processing.
- POS part of speech.

CHAPTER 1

INTRODUCTION

So this is the preamble at the beginning of the chapter. The purpose may be to introduce the themes of the chapter and main headings.

See how inter-paragraph spacing is larger.

1.1 First Test and I need a really long title, please do oblige me won't you? Just a few more words and yes we're there

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis

nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.



Figure 1.1 First figure. OK?

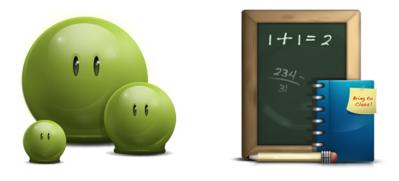


Figure 1.2 Second figure. Now I need a long caption to test out how things look in the List of Figures. Is this long enough yet? Is it? Is it?

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. In hac habitasse

platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetuer.



(a) The first subfigure

(b) The second subfigure

Figure 1.3 An example with subfigures

1.1.1 Second Test

Their Audibert (2004) requirements¹ are really amazing² Budanitsky and Hirst (2006).

Looks like everyting's working. Great. Let's talk about lexical items (LIs) and parts of speech (POS) in Natural Language Processing (NLP). I mention again LIs. Oh I have a symbol too, it's temperature degree (θ).

1.1.2 This is another Subsection

Remember that subsections need to be indented!

1.2 Yeah

And here's a long quotation, it should be an indented block and single-spaced:

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetuer.

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit

¹See here, how weird, how to fill out an entire line. See here, how weird, how to fill out an entire line. See here, how weird, how to fill out an entire line. See here, how weird, how to fill out an entire line. See here, how weird, how to fill out an entire line.

²don't you agree?

erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

Time for some maths, and later there's a table.

$$\left[M\frac{\partial}{\partial M} + \beta(g)\frac{\partial}{\partial g} + n\gamma\right]G^{(n)}(x_1, x_2, \dots, x_n; M, g) = 0$$
(1.1)

Table 1.1 This is a table

Hey	How's it	Going?
Fine!	Just great.	See ya!
Fine!	Just great.	See ya!

Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.

CHAPTER 2

DUMMY CHAPTER

Hello!!

Test 3

Figure 2.1 Let's see. What have we got here?

BIBLIOGRAPHY

- Audibert, L. (2004). Word sense disambiguation criteria: a systematic study. In *20th International Conference on Computational Linguistics (COLING 2004)* (pp. 910–916). Geneva, Switzerland: COLING.
- Budanitsky, A., & Hirst, G. (2006). Evaluating WordNet-based measures of lexical semantic relatedness. *Computational Linguistics*, *32*(1), 13–47.

APPENDIX A

MANUALS, TECHNICAL SPECIFICATIONS, DOCUMENTATIONS, EXAMPLE SCENARIOS

APPENDIX B

TRY

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

BIODATA OF STUDENT

Put your personal biodata as required here. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

LIST OF PUBLICATIONS

- Lim, L. T. (2009). Multilingual lexicons for machine translation. In *Proceedings of the 11th International Conference on Information Integration and Web-based Applications & Services (iiWAS2009) Master and Doctoral Colloquium (MDC)* (pp. 732–736). Kuala Lumpur, Malaysia.
- Lim, L. T., Soon, L.-K., Lim, T. Y., Tang, E. K., & Ranaivo-Malançon, B. (2013). Context-dependent multilingual lexical lookup for under-resourced languages. In *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (ACL 2013)*. Sofia, Bulgaria. (Tier A)
- Bond, F., Lim, L. T., Tang, E. K., & Riza, H. (2014). The combined Wordnet Bahasa. *NUSA: Linguistic studies of languages in and around Indonesia*, *57*, 83–100. Retrieved from http://hdl.handle.net/10108/79286
- Lim, L. T., Soon, L.-K., Lim, T. Y., Tang, E. K., & Ranaivo-Malançon, B. (2014). Lexicon+TX: Rapid construction of a multilingual lexicon with under-resourced languages. *Language Resources and Evaluation*, 48(3), 479–492.