THE UMALAYATHESIS LATEX DOCUMENT CLASS

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INSTITUTE OF POSTGRADUATE STUDIES
UNIVERSITY OF MALAYA
KUALA LUMPUR

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INSTITUTE OF POSTGRADUATE STUDIES UNIVERSITY OF MALAYA KUALA LUMPUR

UNIVERSITI MALAYA

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ABSTRACT

An abstract must not exceed 500 words, typed in a single paragraph with double-spacing,

and written in Bahasa Malaysia and English language. A maximum of five (5) keywords

should also be listed below the abstract.

Keywords: Keyword, keyword, keyword, keyword.

iii

ABSTRAK

Ini merupakan abstrak dalam Bahasa Melayu (satu perenggan).

ACKNOWLEDGEMENTS

Thanks guys. I owe you many.

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LIST OF SYMBOLS AND ABBREVIATIONS

 θ : temperature degree.

LI: lexical item.

NLP: Natural Language Processing.

POS: part of speech.

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CHAPTER 1: INTRODUCTION

1.1 First Level Heading

You can use the usual LaTeX commands and environments: footnotes 1 too 2, certainly with figures and tables as well.



Figure 1.1: First figure. OK?

Table 1.1: This is a table.

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

This is a quotation:

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.

You can create subfigures (and similarly subtables.)

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

² don't you agree?





(a) This is a subfigure

(b) This is another subfigure

Figure 1.2: Second figure. If you have a citation in the caption, you might want to provide an optional caption that doesn't contain the citation so that it won't appear in the List of Tables or Captions. (Audibert, 2004)

Table 1.2: A trivial subtable example

| (a) One | Subtable |
|---------|----------|
| One | Two |
| Three | Four |
| Five | Six |

(b) Two Subtables $\frac{\alpha \quad \beta}{\gamma \quad \delta}$ $\epsilon \quad \zeta$

1.1.1 Suggestions about Tables

LATEX tables can be notoriously... *interesting* to do. But whatever you do, **please don't nest tabulars** i.e. put tabulars within tabulars. They are hard to read and debug, and prone to errors.

http://www.tablesgenerator.com is a handy tool, where you can design your tables and then export the LATEX code. You can even paste in some data you copied from Excel via the 'File > Paste table data' function.

For tables/columns that are too wide to fit nicely on the page, see this blog post for some suggestions: http://tex.my/how-to-deal-with-wide-tables/

For tables that are too long and must be broken up into multiple pages, use the longtable or supertabular packages: these have mechanisms for automatically breaking the tables, and repeating the table header/footer rows on each page. Click here for a longtable example, which is reproduced in Table 1.3. Table 1.4 shows a supertabular example.

1.1.2 Suggestion about Itemize and Enumerate Lists

umalayathesis v1.3 loads the enumitem package, which provides some mechanisms for customising lists.

If the space above the itemize and enumerate lists are too big for your liking:

- This is the first point and
- This is the second point

You can use the nosep option:

- This is the first point and
- This is the second point

To use a different bullet:

- ★ This is the first point and
- ★ This is the second point

And even different numbering scheme:

- (i) This is the first point and
- (ii) This is the second point

Other possible commands for changing the counter format are:

- $\arabic: 1, 2, 3, \dots$
- \roman: i, ii, iii, . . .
- \Roman: I, II, III, . . .
- \alph: a, b, c, ...
- \Alph: A, B, C, ...

1.2 Citations

umalayathesis uses the apacite package and bibliography style. Use \cite for parenthetical citaions, such as this one (Audibert, 2004). (Budanitsky & Hirst, 2006). To get text citations, use the \citeA command and you'll get (Audibert, 2004).

1.2.1 ★★ A Note about the APA Citation Format ★★

umalayathesis uses the apacite package and bibliography style, which fully implements the APA6 guidelines. The APA6 guidelines can be rather complex with lots of subtleties, so some questions about this style comes up every once in a while. Therefore this is important: **Please read this blog post first.** *Now.*

http://tex.my/why-is-latex-doing-all-the-apa-citations-wrong/

Back? Have you really read it? Not really? Please go read it first. :-)

Now this is the first citation of a source with $3 \le \text{authors} \le 5$; per APA6 requirements, all authors will be listed. (Azarova, Mitrofanova, Sinopalnikova, Yavorskaya, & Oparin, 2002). Great! Let's cite it again, and this time per APA6 requirements, only the first author followed by et al. will be displayed: (Azarova et al., 2002)

So now – bearing in mind the actual APA guidelines – if you're absolutely still being forced by your supervisor or Graduate Office staff to *always* abbreviate citations with $3 \le \text{authors} \le 5$, always use the \shortcite command for such citations while using umalayathesis.

1.2.2 Alternative APA Bibliography Style File

Note: Not recommended; only use this if you absolutely have no other choice e.g. mandatory requirement by your faculty.

The apacite package and bibliography style fully implements the APA6 citation and referencing style, including the author expansion of first citations. If you have been forced

to disable these arrangements, you can either always remember to use \shortcite, or you may want to use an alternative bibliography style, newapa. It's *not* new at all – it's quite old (only new when it was first created!), doesn't fully implement APA's guidelines (e.g. it doesn't expand authors in citations at all). But it might make things a bit more convenient for you. You can activate this by using the newapa document class option:

\documentclass[newapa]{umalayathesis}

This will also load the natbib package, so you should use \citep{...} for parenthetical citations (Smith, 1990); and \citet{...} for text citations i.e. Smith (1990).

1.2.3 Using Another Bibliography Style

If your faculty allows/requires you to use an entirely different bibliography style, use the custombib document class option. You are then responsible for loading any packages (e.g. natbib) and setting up the necessary \bibliographystyle, etc.

For example, if your faculty requires you to use the IEEEtran bibliography style, you can write

```
\documentclass[custombib]{umalayathesis}
\bibliographystyle{IEEEtran}
\bibliographystyleown{IEEEtran} %% Style for List of Publications
```

1.2.3.1 Symbols and Abbreviations

If you're just starting to write your thesis, you may want to maintain a list of symbols and acronyms, and process it using the makeglossaries command, so that acronyms are automatically expanded/abbreviated, and listed in the List of Symbols and Abbreviations. See the umalayathesis-manual.pdf for further information. 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). And I talk a lot about lexicons.

Or if you've actually already nearly finished writing your thesis, it's probably much easier to forget about glossaries and the myacronyms. tex file, and just create a List of Symbols and Abbreviations manually yourself with a tabular:

```
\chapter{List of Symbols and Abbreviations}
\begin{tabular}{1 @{ : } 1}
UM & University Malaya\\
KL & Kuala Lumpur\\
\end{tabular}
```

(a) A Fifth Level Heading

This will not be included in the Table of Contents.

Here's an example longtable. Beware: very large long tables can take a loooooong time to compile!

Table 1.3: A sample longtable.

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

Table 1.3, continued

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

Table 1.3, continued

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

Table 1.3, continued

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

Table 1.3, continued

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

Here's a supertabular example too.

Table 1.4: A sample supertabular.

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

Table 1.4, continued

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

Table 1.4, continued

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

Table 1.4, continued

| First column | Second column | Third column |
|--------------|------------------|--------------|
| One | abcdef ghjijklmn | 123.456778 |

CHAPTER 2: DUMMY CHAPTER

Hello!!

Test 3

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

REFERENCES

- 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.
- Azarova, I., Mitrofanova, O., Sinopalnikova, A., Yavorskaya, M., & Oparin, I. (2002). RussNet: Building a lexical database for the Russian language. In *Proceedings of workshop on wordnet structures and standardisation and how this affect wordnet applications and evaluation* (p. 60-64). Las Palmas.
- Budanitsky, A., & Hirst, G. (2006). Evaluating WordNet-based measures of lexical semantic relatedness. *Computational Linguistics*, 32(1), 13–47.

LIST OF PUBLICATIONS AND PAPERS PRESENTED

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.

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.