

Guide on Using *upnmthesis* for Writing Universiti Pertahanan Nasional Malaysia Theses with \LaTeX

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upnmthesis is a \LaTeX class for authoring theses that fulfil formatting specifications required by Universiti Pertahanan Nasional Malaysia (UPNM). This class and template was commissioned by the university's Centre of Graduate Studies in October, 2015, for both undergraduate and postgraduate theses.

A sample `sample-thesis.tex`, as well as relevant sample chapters, are included in the package, which I recommend you modify for your own thesis write-up. (You can rename it, but I'll stick with the file name '`sample-thesis.tex`' throughout this guide.)

The latest version of this template can be downloaded from <http://liantze.penguinattack.latextypesetting.html#upnmthesis>.

upnmthesis is available as a template on Overleaf.

1 Compiling the Template the Easy Way

You may want to consider writing your thesis in the cloud, so that you won't have to maintain your own local \LaTeX installation or setting up the processing tools.

There are now a number of \LaTeX cloud editing platforms, e.g. Overleaf, ShareLaTeX, Authorea, etc. The UPNM thesis template is available on Overleaf.

 In the cloud!

Disclosure: I'm the Community \TeX pert at Overleaf.

2 Configuring TeXworks to Compile *upnmthesis*

Assuming TeXworks is your \LaTeX editor of choice, you will probably want to configure it so that you can process your glossary and list of own publications from within TeXworks. You should work through this section to ensure that you are able to compile the sample thesis successfully.

(You can always, of course, opt to run the relevant commands from the command line prompt, or adapt these configurations for other editors and operating systems.)

 Configs for TeXworks. Other editors should have something similar.

2.1 Tool Configuration for Generating the List of Acronyms

Access the TeXworks menu `Edit` `Preferences` `Typesetting`. Add a new processing tool called 'List of Acronyms'. Configure it as shown in Figure 1 (p.2).

On Linux and Mac systems, this is equivalent to the command line

```
$ makeindex -s <basename>.ist -t <basename>.alg -o <basename>.acr <basename>.acn
```

where `<basename>` is the name of your main file (i.e. `sample-thesis`).

2.2 Tool Configuration for Generating the List of Publications

Add another processing tool called "Publication List". Configure it as shown in Figure 2 (p. 2). On Linux and Mac systems, this is equivalent to the command line

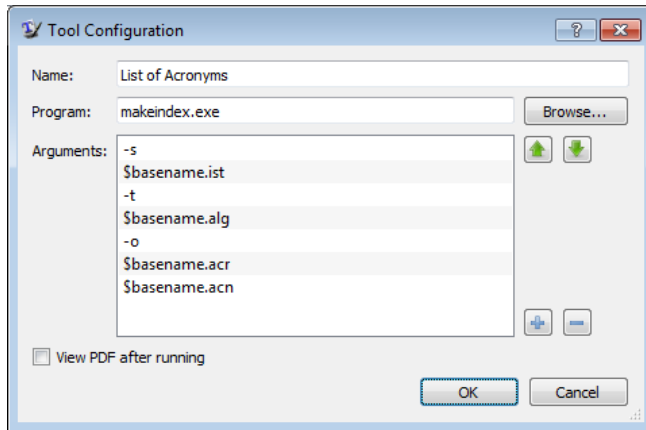


Figure 1: Setting up the 'List of Acronyms' processing tool in TeXworks

\$ bibtex own

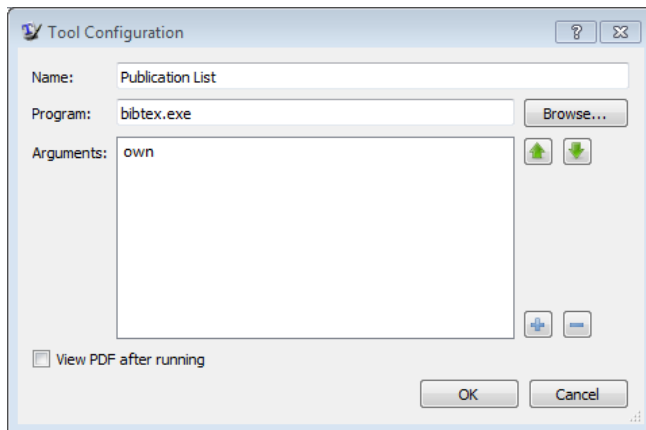


Figure 2: Setting up the 'Publication List' processing tool in TeXworks

2.3 Compiling *thesis.tex*

When using TeXworks, the processing tools should be run on **thesis.tex** in the following sequence:

1. pdfLaTeX + BibTeX + Makeindex
2. List of Acronyms
3. Publication List
4. pdfLaTeX + BibTeX + Makeindex

You will need to run 'List of Acronyms' again if you add and use a new acronym. Similarly, run 'Publication List' again if you add a new self publication. Don't forget to run 'pdfLaTeX + BibTeX + Makeindex' after that!

2.4 Why is there a blank page before the title page and at the end?!

The thesis preparation guidelines say there needs to be a blank page between the cover and the title page, and another at the very end, so umalayathesis forces one just in case you forgot to insert one. 😊

</> Compilation steps

?! What, blank pages?!

2.5 *Printing from Acrobat Reader*

Remember to set the **paper size** to **A4** and **page scaling** to **None** in the **Print** dialog, otherwise the margins would be incorrect.

 Make sure the print out isn't shrunk!