

# Snippets

## Daftar Isi

<b>Basic Documents</b>	<b>1</b>
<b>Figures</b>	<b>1</b>
<b>Equation</b>	<b>1</b>
<b>Table</b>	<b>1</b>
<b>Makefile</b>	<b>1</b>
Standard Script	1
Script dengan tambahan fitur untuk menyimpan auxiliary files di folder build	2
Alternatif Penulisan Makefile Versi 1	2
Alternatif Penulisan Makefile Versi 2	3

## Basic Documents

- [basic document](#)
- [basic document with bibtex](#)
- [basic document with glossaries](#)
- [basic document with bibtex and glossaries](#)

## Figures

- [one figure](#)
- [two figures](#)

## Equation

- [equation](#)

## Table

- [table](#)

## Makefile

### Standard Script

Makefile berikut dapat meng-compile tex file yang berisi bibtex dan glossaries.

```
.PHONY: all build1 build2 build3 bib gls

all: build1 bib gls build2 build3

build1:
```

```

    pdflatex main

build2:
    pdflatex main

build3:
    pdflatex main

bib:
    bibtex main

gls:
    makeglossaries main

```

## Script dengan tambahan fitur untuk menyimpan auxiliary files di folder build

```

.PHONY: all build1 build2 build3 bib gls

all: build1 bib gls build2 build3

build1:
    pdflatex -output-directory=build -interaction=batchmode main

build2:
    pdflatex -output-directory=build -interaction=batchmode main

build3:
    pdflatex -output-directory=build -interaction=batchmode main

bib:
    biber --input-directory=build --output-directory=build main

gls:
    makeglossaries -d build main

```

## Alternatif Penulisan Makefile Versi 1

Pada contoh di atas, setiap line command ditulis dalam rule yang terpisah. Semua line tersebut sebenarnya dapat ditulis dalam rule yang sama. Contohnya adalah:

```

.PHONY: all

all:
    pdflatex -output-directory=build -interaction=batchmode main
    biber --input-directory=build --output-directory=build main
    makeglossaries -d build main
    pdflatex -output-directory=build -interaction=batchmode main
    pdflatex -output-directory=build -interaction=batchmode main

```

## Alternatif Penulisan Makefile Versi 2

Agar dapat digunakan secara general, maka nama file yang berulang diganti dengan variabel untuk memudahkan dalam mengganti nama file tersebut.

```
.PHONY: update all

auxFolder := build
mode      := batchmode
filename  := main

update:
    @echo "simple update"
    @echo "-----"
    pdflatex -output-directory=$(auxFolder) -interaction=$(mode) $(filename)

all:
    @echo "run pdflatex (1)"
    @echo "-----"
    pdflatex -output-directory=$(auxFolder) -interaction=$(mode) $(filename)
    @echo "run biber"
    @echo "-----"
    biber --input-directory=$(auxFolder) --output-directory=$(auxFolder) $(filename)
    @echo "run glossaries"
    @echo "-----"
    makeglossaries -d $(auxFolder) $(filename)
    @echo "run pdflatex (2)"
    @echo "-----"
    pdflatex -output-directory=$(auxFolder) -interaction=$(mode) $(filename)
    @echo "run pdflatex (3)"
    @echo "-----"
    pdflatex -output-directory=$(auxFolder) -interaction=$(mode) $(filename)
```

### Referensi

- [Hiding latex metafiles](#)