

# 1 The Bahasa Indonesian language

The file `bahasa.dtx`<sup>1</sup> defines all the language definition macros for the Bahasa Indonesia / Bahasa Melayu language. Bahasa just means ‘language’ in Bahasa Indonesia / Bahasa Melayu. Since both national versions of the language use the same writing, although differing in pronunciation, this file can be used for both languages.

For this language currently no special definitions are needed or available.

The macro `\LdfInit` takes care of preventing that this file is loaded more than once, checking the category code of the `@` sign, etc.

```
1 {*code}
2 \LdfInit\CurrentOption{date\CurrentOption}
```

When this file is read as an option, i.e. by the `\usepackage` command, `bahasa` could be an ‘unknown’ language in which case we have to make it known. So we check for the existence of `\l@bahasa` to see whether we have to do something here.

For both Bahasa Indonesia and Bahasa Malaysia the same set of hyphenation patterns can be used which are available in the file `inhyph.tex`. However it could be loaded using any of the possible Babel options for the Indonesian and Malaysian language. So first we try to find out whether this is the case.

```
3 \ifx\l@bahasa\@undefined
4   \ifx\l@bahasai\@undefined
5     \ifx\l@indon\@undefined
6       \ifx\l@indonesian\@undefined
7         \ifx\l@bahasam\@undefined
8           \ifx\l@malay\@undefined
9             \ifx\l@meyalu\@undefined
10               \nopatterns{Bahasa Indonesia}
11                 \adddialect\l@bahasa0\relax
12           \else
13             \let\l@bahasa\l@meyalu
14           \fi
15         \else
16           \let\l@bahasa\l@malay
17         \fi
18       \else
19         \let\l@bahasa\l@bahasam
20       \fi
21     \else
22       \let\l@bahasa\l@indonesian
23     \fi
24   \else
25     \let\l@bahasa\l@indon
26   \fi
27 \else
28   \let\l@bahasa\l@bahasai
29 \fi
```

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<sup>1</sup>The file described in this section has version number v1.01 and was last revised on 2008/03/15.

30 \fi

Now that we are sure the \l@bahasa has some valid definition we need to make sure that a name to access the hyphenation patterns, corresponding to the option used, is available.

```
31 \expandafter\expandafter\expandafter\let
32 \expandafter\csname
33 \expandafter l\expandafter @\CurrentOption\endcsname
34 \l@bahasa
```

The next step consists of defining commands to switch to (and from) the Bahasa language.

`\captionsbahasa` The macro `\captionsbahasa` defines all strings used in the four standard documentclasses provided with L<sup>A</sup>T<sub>E</sub>X.

```
35 \@namedef{captions\CurrentOption}{%
36 \def\prefacename{Pendahuluan}%
37 \def\refname{Pustaka}%
38 \def\abstractname{Ringkasan}% (sometime it's called 'intisari'
39 % or 'ikhtisar')
40 \def\bibname{Bibliografi}%
41 \def\chaptername{Bab}%
42 \def\appendixname{Lampiran}%
43 \def\contentsname{Daftar Isi}%
44 \def\listfigurename{Daftar Gambar}%
45 \def\listtablename{Daftar Tabel}%
46 \def\indexname{Indeks}%
47 \def\figurename{Gambar}%
48 \def\tablename{Tabel}%
49 \def\partname{Bagian}%
50 % Subject: Subyek
51 % From: Dari
52 \def\enclname{Lampiran}%
53 \def\ccname{cc}%
54 \def\headtoname{Kepada}%
55 \def\pagename{Halaman}%
56 % Notes (Endnotes): Catatan
57 \def\seename{lihat}%
58 \def\alsoname{lihat juga}%
59 \def\proofname{Bukti}%
60 \def\glossaryname{Daftar Istilah}%
61 }
```

`\datebahasa` The macro `\datebahasa` redefines the command `\today` to produce Bahasa Indonesian dates.

```
62 \@namedef{date\CurrentOption}{%
63 \def\today{\number\day~\ifcase\month\or
64 Januari\or Pebruari\or Maret\or April\or Mei\or Juni\or
65 Juli\or Agustus\or September\or Oktober\or Nopember\or Desember\fi
66 \space \number\year}}
```

`\extrasbahasa` The macro `\extrasbahasa` will perform all the extra definitions needed for the Bahasa language. The macro `\extrasbahasa` is used to cancel the actions of `\noextrasbahasa`. For the moment these macros are empty but they are defined for compatibility with the other language definition files.

```
67 \@namedef{extras\CurrentOption}{}  
68 \@namedef{noextras\CurrentOption}{}  

```

`\bahasahyphenmins` The bahasa hyphenation patterns should be used with `\lefthyphenmin` set to 2 and `\righthyphenmin` set to 2.

```
69 \providehyphenmins{\CurrentOption}{\tw@\tw@}
```

The macro `\ldf@finish` takes care of looking for a configuration file, setting the main language to be switched on at `\begin{document}` and resetting the category code of `@` to its original value.

```
70 \ldf@finish{\CurrentOption}  
71 \code
```