Bahasa Module for datetime2 Package

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This module is currently unmaintained and may be subject to change. If you want to volunteer to take over maintenance, contact me at http://www.dickimaw-books.com/contact.html

Abstract

This is the Bahasa language module for the datetime2 package. If you want to use the settings in this module you must install it in addition to installing datetime2. If you use babel or polyglossia, you will need this module to prevent them from redefining \today. The datetime2 userregional setting must be set to text or numeric for the language styles to be set. Alternatively, you can set the style in the document using \DTMsetstyle, but this may be changed by \date\langle language\rangle depending on the value of the userregional setting.

I’ve copied the date style from babel-bahasai’s \today.

I don’t know if these settings are correct. In particular, I don’t know if the bahasa time style is correct. Currently this just uses the default time style. Please be aware that this may change. Whoever takes over maintenance of this module may change it as appropriate.

The new maintainer should add the line:

The Current Maintainer of this work is Name.

to the preamble part in datetime2-bahasai.ins where Name is the name of the maintainer(s) and replace the ‘inactive’ status to ‘maintained’.

Currently there is only a regionless style.

1 The Code

At the moment there is only the one .ldf file.

1.1 Main Bahasa Module (datetime2-bahasai.ldf)

Identify Module

1 \ProvidesDateTimeModule{bahasa}[2018/01/10 v1.01]
I don’t know if this is correct, but it’s provided in case a suffix is required.

```latex
\newcommand*{\DTMbahasaiordinal}[1]{\number#1 % space intended}
```

Bahasa month names.

```latex
\newcommand*{\DTMbahasaimonthname}[1]{\ifcase#1\or Januari\or Pebruari\or Maret\or April\or Mei\or Juni\or Juli\or Agustus\or September\or Oktober\or Nopember\or Desember\fi}
```

Define the bahasai style. The time style is the same as the default style provided by datetime2. This may need correcting. For example, if a 12 hour style similar to the englishampm (from the english-base module) is required.

Allow the user a way of configuring the bahasai and bahasai-numeric styles. This doesn’t use the package wide separators such as `\dtm@datetimesep` in case other date formats are also required.

```latex
\newcommand*{\DTMbahasaidaymonthsep}{\DTMtexorpdfstring{\protect~\}{\space}}
\newcommand*{\DTMbahasaimonthyearsep}{\space}
```

The separator between the day and month for the text format.

The separator between the month and year for the text format.
The separator between the date and time blocks in the full format (either text or numeric).
\newcommand*{\DTMbahasaidatetimesep}{\text{space}}

The separator between the time and zone blocks in the full format (either text or numeric).
\newcommand*{\DTMbahasaitimezonesep}{\text{space}}

The separator for the numeric date format.
\newcommand*{\DTMbahasaidatesep}{/}

The separator for the numeric time format.
\newcommand*{\DTMbahasaitimesep}{:}

Provide keys that can be used in \DTMlangsetup to set these separators.
\DTMdefkey{bahasai}{daymonthsep}{\renewcommand*{\DTMbahasaidaymonthsep}{#1}}
\DTMdefkey{bahasai}{monthyearsep}{\renewcommand*{\DTMbahasaimonthyearsep}{#1}}
\DTMdefkey{bahasai}{datetimesep}{\renewcommand*{\DTMbahasidadatetimesep}{#1}}
\DTMdefkey{bahasai}{timezonesep}{\renewcommand*{\DTMbahasaitimezonesep}{#1}}
\DTMdefkey{bahasai}{datesep}{\renewcommand*{\DTMbahasaidatesep}{#1}}
\DTMdefkey{bahasai}{timesep}{\renewcommand*{\DTMbahasaitimesep}{#1}}

TODO: provide a boolean key to switch between full and abbreviated formats if appropriate. (I don’t know how the date should be abbreviated.)
Define a boolean key that determines if the time zone mappings should be used.
\DTMdefboolkey{bahasai}{mapzone}{true}
The default is to use mappings.
\DTMsetbool{bahasai}{mapzone}{true}

Define a boolean key that determines if the day of month should be displayed.
\DTMdefboolkey{bahasai}{showdayofmonth}{true}
The default is to show the day of month.
\DTMsetbool{bahasai}{showdayofmonth}{true}

Define a boolean key that determines if the year should be displayed.
\DTMdefboolkey{bahasai}{showyear}{true}
The default is to show the year.
\DTMsetbool{bahasai}{showyear}{true}

Define the bahasai style. (TODO: implement day of week?)
\DTMnewstyle
\{bahasai\}% label
\{% date style
\renewcommand*{\DTMdisplaydate}[4]{%}
\DTMifbool{bahasai}{showdayofmonth}{true}%
{\DTMbahasaiordinal{#3}\DTMbahasaidaymonthsep}%
{}%
\DTMbahasaimonthname{##2}\%
\DTMifbool{bahasai}{showyear}\%
{%
\DTMbahasaimonthyearsep
\number##1 % space intended
}%
{\renewcommand*{\DTMdisplaydate{\DTMdisplaydate}}}%
{\renewcommand*{\DTMsettimestyle}{default}}%
{\DTMresetzones
\DTMbahasaizonemaps
\renewcommand*{\DTMdisplayzone}{\DTMifbool{bahasai}{mapzone}{%\ifnum##1<0\else+\fi\DTMtwodigits{##1}\ifDTMshowzoneminutes\DTMbahasaitimesep\DTMtwodigits{##2}\fi}}%
{%
\DTMnewstyle{bahasai-numeric}{% label
{bahasai-numeric}}% label
{\renewcommand*{\DTMdisplaydate}[4]{%}
\DTMifbool{bahasai}{showdayofmonth}{% number#3 % space intended
\DTMbahasaidatesep}
{\DTMdisplay}\%}
Define numeric style.
The time zone mappings are set through this command, which can be redefined if extra mappings are required or mappings need to be removed. This currently has no mappings.
Switch style according to the \useregional setting.

\DTMifcaseregional
{}% do nothing
\DTMsetstyle{bahasai}
\DTMsetstyle{bahasai-numeric}

Redefine \datebahasai (or \date\langle dialect\rangle) to prevent babel from resetting \today. (For this to work, babel must already have been loaded if it’s required.)

\ifcsundef{date\CurrentTrackedDialect}
{}% do nothing
\csdef{date\CurrentTrackedDialect}{%
Change History

1.0 1.01
General: Initial release ....... 1  General: removed spurious space . 6

Index

D \DTMbahasaiordinal ............ 2
\DTMbahasaidatesep ............ 3 \DTMbahasaitimesep ............. 3
\DTMbahasaidatetimesep ........ 3 \DTMbahasaitimezonesep ........ 3
\DTMbahasaidaymonthsep ........ 2 \DTMbahasaizonemaps ............ 5
\DTMbahasaimonthname ........... 2
\DTMbahasaimonthyearsep ........ 2 useregional ................. 1, 6