

Bahasai 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 Bahasai 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 useregional` 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<language>` depending on the value of the `useregional` 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 `bahasai` 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 Bahasai Module (`datetime2-bahasai.ldf`)

Identify Module

```
1 \ProvidesDateTimeModule{bahasai}[2015/03/29 v1.0]
```

`\DTMbahasaiordinal` I don't know if this is correct, but it's provided in case a suffix is required.

```
2 \newcommand*{\DTMbahasaiordinal}[1]{%
3 \number#1 % space intended
4 }
```

`\DTMbahasaimonthname` Bahasai month names.

```
5 \newcommand*{\DTMbahasaimonthname}[1]{%
6 \ifcase#1
7 \or
8 Januari%
9 \or
10 Pebruari%
11 \or
12 Maret%
13 \or
14 April%
15 \or
16 Mei%
17 \or
18 Juni%
19 \or
20 Juli%
21 \or
22 Agustus%
23 \or
24 September%
25 \or
26 Oktober%
27 \or
28 Nopember%
29 \or
30 Desember%
31 \fi
32 }
```

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.

`\DTMbahasaidaymonthsep` The separator between the day and month for the text format.

```
33 \newcommand*{\DTMbahasaidaymonthsep}{%
34 \DTMtexorpdfstring{\protect~}{\space}}
```

`\DTMbahasaimonthyearsep` The separator between the month and year for the text format.

```
35 \newcommand*{\DTMbahasaimonthyearsep}{\space}
```

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

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

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

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

Provide keys that can be used in `\DTMlangsetup` to set these separators.

```
40 \DTMdefkey{bahasai}{daymonthsep}{\renewcommand*{\DTMbahasaidaymonthsep}{#1}}
41 \DTMdefkey{bahasai}{monthyearsep}{\renewcommand*{\DTMbahasaimonthyearsep}{#1}}
42 \DTMdefkey{bahasai}{datetimesep}{\renewcommand*{\DTMbahasaidatetimesep}{#1}}
43 \DTMdefkey{bahasai}{timezonesep}{\renewcommand*{\DTMbahasaitimezonesep}{#1}}
44 \DTMdefkey{bahasai}{datesep}{\renewcommand*{\DTMbahasaidatesep}{#1}}
45 \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.

```
46 \DTMdefboolkey{bahasai}{mapzone}[true]{}
```

The default is to use mappings.

```
47 \DTMsetbool{bahasai}{mapzone}{true}
```

Define a boolean key that determines if the day of month should be displayed.

```
48 \DTMdefboolkey{bahasai}{showdayofmonth}[true]{}
```

The default is to show the day of month.

```
49 \DTMsetbool{bahasai}{showdayofmonth}{true}
```

Define a boolean key that determines if the year should be displayed.

```
50 \DTMdefboolkey{bahasai}{showyear}[true]{}
```

The default is to show the year.

```
51 \DTMsetbool{bahasai}{showyear}{true}
```

Define the `bahasai` style. (TODO: implement day of week?)

```
52 \DTMnewstyle
53 {bahasai}% label
54 {% date style
55   \renewcommand*{\DTMdisplaydate[4]}{%
56     \DTMifbool{bahasai}{showdayofmonth}
57     {\DTMbahasaiordinal{##3}\DTMbahasaidaymonthsep}%
58     }%
```

```

59     \DTMbahasaимonthname{##2}%
60     \DTMifbool{bahasai}{showyear}%
61     {%
62         \DTMbahasaимonthyearsep
63         \number##1 % space intended
64     }%
65     {}%
66 }%
67 \renewcommand*\DTMdisplaydate{\DTMdisplaydate}%
68 }%
69 {% time style (use default)
70     \DTMsettimestyle{default}%
71 }%
72 {% zone style
73     \DTMresetzones
74     \DTMbahasaizonemaps
75     \renewcommand*\DTMdisplayzone}[2]{%
76         \DTMifbool{bahasai}{mapzone}%
77         {\DTMusezonemapordefault{##1}{##2}}%
78     {%
79         \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
80         \ifDTMshowzoneminutes\DTMbahasaitimesep\DTMtwodigits{##2}\fi
81     }%
82 }%
83 }%
84 {% full style
85     \renewcommand*\DTMdisplay}[9]{%
86         \ifDTMshowdate
87             \DTMdisplaydate{##1}{##2}{##3}{##4}%
88             \DTMbahasaidatetimesep
89             \fi
90             \DTMdisplaytime{##5}{##6}{##7}%
91             \ifDTMshowzone
92                 \DTMbahasaitimezonesep
93                 \DTMdisplayzone{##8}{##9}%
94             \fi
95         }%
96     \renewcommand*\DTMdisplay}{\DTMdisplay}%
97 }%

```

Define numeric style.

```

98 \DTMnewstyle
99 {bahasai-numeric}% label
100 {% date style
101     \renewcommand*\DTMdisplaydate[4]{%
102         \DTMifbool{bahasai}{showdayofmonth}%
103         {%
104             \number##3 % space intended
105             \DTMbahasaidatesep
106         }%

```

```

107     {}%
108     \number##2 % space intended
109     \DTMifbool{bahasai}{showyear}%
110     {%
111         \DTMbahasaidatesep
112         \number##1 % space intended
113     }%
114     {}%
115 }%
116 \renewcommand*{\DTMdisplaydate}{\DTMdisplaydate}%
117 }%
118 {% time style
119     \renewcommand*{\DTMdisplaytime}[3]{%
120         \number##1
121         \DTMbahasaitimesep\DTMtwodigits{##2}%
122         \ifDTMshowseconds\DTMbahasaitimesep\DTMtwodigits{##3}\fi
123     }%
124 }%
125 {% zone style
126     \DTMresetzones
127     \DTMbahasaizonemaps
128     \renewcommand*{\DTMdisplayzone}[2]{%
129         \DTMifbool{bahasai}{mapzone}%
130         {\DTMusedzonemapordefault{##1}{##2}}%
131     {%
132         \ifnum##1<0\else+\fi\DTMtwodigits{##1}%
133         \ifDTMshowzoneminutes\DTMbahasaitimesep\DTMtwodigits{##2}\fi
134     }%
135 }%
136 }%
137 {% full style
138     \renewcommand*{\DTMdisplay}[9]{%
139         \ifDTMshowdate
140             \DTMdisplaydate{##1}{##2}{##3}{##4}%
141             \DTMbahasaidatetimesep
142             \fi
143             \DTMdisplaytime{##5}{##6}{##7}%
144             \ifDTMshowzone
145                 \DTMbahasaitimezonesep
146                 \DTMdisplayzone{##8}{##9}%
147             \fi
148         }%
149     \renewcommand*{\DTMdisplay}{\DTMdisplay}%
150 }

```

`\DTMbahasaizonemaps` 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.

```

151 \newcommand*{\DTMbahasaizonemaps}{%
152 }

```

Switch style according to the `useregional` setting.

```
153 \DTMifcaseregional
154 {}% do nothing
155 {\DTMsetstyle{bahasai}}
156 {\DTMsetstyle{bahasai-numeric}}

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

157 \ifcsundef{date\CurrentTrackedDialect}
158 {%
159   \ifundef\datebahasai
160   {}% do nothing
161   }%
162   {%
163     \def\datebahasai{%
164       \DTMifcaseregional
165       {}% do nothing
166       {\DTMsetstyle{bahasai}}%
167       {\DTMsetstyle{bahasai-numeric}}%
168     }%
169   }%
170 }%
171 {%
172   \csdef{date\CurrentTrackedDialect}{%
173     \DTMifcaseregional
174     {}% do nothing
175     {\DTMsetstyle{bahasai}}%
176     {\DTMsetstyle{bahasai-numeric}}
177   }%
178 }%
```

Change History

1.0	
General: Initial release	1

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