

The `essaykit` package*

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1 Introduction

The `essaykit` package provides a comprehensive set of commands for creating styled boxes, titles, quotes, and bibliographic references in \LaTeX documents. It is particularly designed for academic and scientific documents requiring consistent styling and professional presentation.

2 Usage

2.1 Styled Boxes

`\rbox` The `\rbox` command creates customizable colored boxes:

```
\rbox[\langle options \rangle]{\langle content \rangle}
```

2.2 Main Titles

`\maintitle` The `\maintitle` command creates large, styled titles:

```
\maintitle[\langle options \rangle]{\langle title text \rangle}
```

2.3 Quotes

`\quoter` The `\quoter` command creates formatted quotations:

```
\quoter[\langle options \rangle]{\langle quote text \rangle}{\langle author \rangle}
```

2.4 Rules and Sources

`\rrule` The `\rrule` command creates horizontal rules.

`\sources` The `\sources` command creates formatted bibliography sections:

```
\sources{\langle comma-separated list \rangle}
```

*This document corresponds to `essaykit` v1.0, dated 2025/08/30.

3 Implementation

```
1 (*package)
```

3.1 Package Dependencies

```
2 \RequirePackage{imakeidx}
3 \RequirePackage{amsmath}
4 \RequirePackage{caption}
5 \RequirePackage{wrapfig}
6 \RequirePackage{tcolorbox}
7 \RequirePackage{tikz}
8 \RequirePackage{chemfig}
9 \RequirePackage{xstring}
10 \RequirePackage{xcolor}
11 \RequirePackage{keyval}
12 \RequirePackage{xkeyval}
13 \RequirePackage[pdfTeX,
14 hidelinks,
15 breaklinks=true,
16 pdfpagemode=UseNone,
17 pdfstartview=FitH
18 ]{hyperref}
```

3.2 Color Definitions

```
19 \definecolor{greycolor}{HTML}{525252}
20 \definecolor{sharelatexcolor}{HTML}{882B21}
21 \definecolor{mybluecolor}{HTML}{394773}
22 \def\essaykit@family{ek}
23 \definecolor{lightgray}{rgb}{0.9, 0.9, 0.9}
24 \definecolor{softgray}{rgb}{0.7, 0.7, 0.7}
25 \definecolor{box-color}{rgb}{0.65, 0.8, 0.85}
26 \definecolor{darkgray}{rgb}{0.2, 0.2, 0.2}
27 \definecolor{softblue}{RGB}{70, 130, 180}
```

3.3 Key-Value System

```
28 \define@key{ek}{color}[lightgray]{\def\ek@color{#1}}
29 \define@key{ek}{textcolor}[black]{\def\ek@textcolor{#1}}
30 \define@key{ek}{title}[]{\def\ek@title{#1}}
31 \define@key{ek}{width}[\textwidth]{\def\ek@width{#1}}
32 \setkeys{ek}{color,textcolor,title,width}
```

`\rbox` The main box command with customizable options.

```
33 \newcommand{\rbox}[2][]{%
34 \def\ek@title{}%
35 \setkeys{ek}{#1}%
36 \ifx\ek@title\empty
37 \begin{tcolorbox}[%
38 colback=\ek@color!10,
39 colframe=\ek@color,
40 width=\ek@width,
41 arc=3.5mm,
42 boxrule=1pt
43 ]%
44 \color{\ek@textcolor}#2
```

```

45 \end{tcolorbox}%
46 \else
47 \begin{tcolorbox}[%
48 colback=\ek@color!10,
49 colframe=\ek@color,
50 coltitle=\ek@textcolor,
51 colbacktitle=\ek@color,
52 title=\ek@title,
53 width=\ek@width,
54 arc=3.5mm,
55 boxrule=1pt,
56 fonttitle=\bfseries
57 ]%
58 \color{\ek@textcolor}#2
59 \end{tcolorbox}%
60 \fi
61 }

```

3.4 Title Commands

```

62 \define@key{ek}{titlecolor}[black]{\def\ek@titlecolor{#1}}
63 \define@key{ek}{titlesize}[\Huge]{\def\ek@titlesize{#1}}
64 \define@key{ek}{titlespacing}[0.5cm]{\def\ek@titlespacing{#1}}
65 \setkeys{ek}{color,textcolor,title,width,titlecolor,titlesize,titlespacing}

```

`\maintitle` Creates styled main titles.

```

66 \newcommand{\maintitle}[2] []{%
67 \setkeys{ek}{titlecolor,titlesize,titlespacing}%
68 \setkeys{ek}{#1}%
69 {\ek@titlesize \bfseries \textcolor{\ek@titlecolor}{#2}}\[\ek@titlespacing]%
70 }

```

3.5 Quote Commands

```

71 \define@key{ek}{authorcolor}[gray]{\def\ek@authorcolor{#1}}
72 \define@key{ek}{quotesize}[\large]{\def\ek@quotesize{#1}}
73 \define@key{ek}{quotespacing}[1em]{\def\ek@quotespacing{#1}}
74 \setkeys{ek}{color,textcolor,title,width,titlecolor,titlesize,titlespacing,authorcolor,quotesize}

```

`\quoter` Creates formatted quotes with author attribution.

```

75 \newcommand{\quoter}[3] []{
76 \setkeys{ek}{authorcolor,quotesize,quotespacing}
77 \setkeys{ek}{#1}
78 \begin{center}
79 \ek@quotesize \textit{#2}\[\ek@quotespacing]
80 \normalsize \color{\ek@authorcolor} -- #3 %name of the author
81 \end{center}
82 }

```

`\rrule` Simple horizontal rule command.

```

83 \newcommand{\rrule}{
84 \par\noindent\rule{\textwidth}{0.22pt}
85 }

```

`\sources` Bibliography/sources command with hyperlink support.

```
86 \makeatletter
87 \newcommand{\sources}[1]{
88 \begin{tcolorbox}[colback=white, colframe=black!90, title=\section{Lähteet}, fonttitle=\bfseries]
89 \begin{itemize}
90 \@for\source:=#1\do{%
91 \item\source %
92 }%
93 \end{itemize}
94 \end{tcolorbox}
95 }
96 \makeatother

97 \end{package}
```