Contents

1 PDF Customization Guide for Pandoc

1.1 PANDOC PDF CUSTOMIZATION OPTIONS

This guide shows you how to customize PDF output from Pandoc for professional documentation.

1.2 QUICK CUSTOMIZATION COMMANDS

1.2.1 Basic Professional Format

```
pandoc input.md -o output.pdf \
  --pdf-engine=xelatex \
  -V geometry:margin=1in \
  --toc \
  --toc-depth=3 \
  -V papersize=a4
```

1.2.2 With Custom Title & Author

```
pandoc README.md -o README.pdf \
  --pdf-engine=xelatex \
  -V title="Koperasi Karyawan Documentation" \
  -V author="Development Team" \
  -V date="17 January 2026" \
  -V geometry:margin=1in \
  --toc
```

1.2.3 Professional Report Format

```
pandoc FEATURES.md -o FEATURES.pdf \
  --pdf-engine=xelatex \
  -V documentclass=report \
  -V geometry:margin=1in \
  -V fontsize=11pt \
  -V mainfont="Arial" \
  --toc \
  --number-sections \
  --highlight-style=tango
```

1.3 CUSTOMIZATION OPTIONS

1.3.1 1. Page Layout

Margins:

```
# All margins 1 inch
-V geometry:margin=1in
```

```
# Custom margins
-V geometry:top=1in \
-V geometry:bottom=1.5in \
-V geometry:left=1.25in \
-V geometry:right=1.25in

# Narrow margins
-V geometry:margin=0.75in

# Wide margins (for notes)
-V geometry:margin=1.5in
```

Paper Size:

```
-V papersize=a4        # A4 (default for most)
-V papersize=letter    # US Letter
-V papersize=legal     # US Legal
```

Orientation:

```
-V classoption=portrait   # Portrait (default)
-V classoption=landscape  # Landscape
```

1.3.2 2. Fonts

Main Font:

```
-V mainfont="Arial"
-V mainfont="Times New Roman"
-V mainfont="Calibri"
-V mainfont="Georgia"
```

Monospace Font (for code):

```
-V monofont="Courier New"
-V monofont="Consolas"
-V monofont="Fira Code"
```

Font Size:

```
-V fontsize=10pt    # Small
-V fontsize=11pt    # Medium (recommended)
-V fontsize=12pt    # Large
```

1.3.3 3. Table of Contents

Enable TOC:

```
--toc              # Enable table of contents
--toc-depth=2      # Only H1 and H2 in TOC
```

```
--toc-depth=3          # Include H3
--toc-depth=4          # All levels
```

TOC Title:

```
-V toc-title="Table of Contents"
-V toc-title="Daftar Isi"
```

1.3.4 4. Headers & Footers

Page Numbers:

```
# Default: page numbers at bottom center
# Custom header/footer requires template file
```

Custom Header (requires template):

```
-V header-includes='\usepackage{fancyhdr} \pagestyle{fancy} \fancyhead[L]{Koperasi Docs} \fancy
```

1.3.5 5. Title Page

With Title Page:

```
-V title="Project Documentation"
-V subtitle="Koperasi Karyawan System"
-V author="Development Team"
-V date="January 2026"
```

Without Title Page:

```
--metadata title=""
```

1.3.6 6. Section Numbering

Enable Numbering:

```
--number-sections      # 1. Introduction, 1.1 Overview, etc
```

Custom Numbering Depth:

```
--number-sections \
--number-offset=0,0    # Start from 1
```

1.3.7 7. Code Highlighting

Syntax Highlighting Styles:

```

```
--highlight-style=tango   # Colorful (recommended)
--highlight-style=pygments   # Classic
--highlight-style=kate   # Bright
--highlight-style=monochrome   # Black & white
--highlight-style=espresso   # Dark theme
--highlight-style=zenburn   # Dark, low contrast
```

**List available styles:**

```
pandoc --list-highlight-styles
```

1.3.8   8. Document Class

LaTeX Document Classes:

```
-V documentclass=article    # Default, for articles
-V documentclass=report     # For long reports (chapters)
-V documentclass=book       # For books (parts, chapters)
```

1.3.9   9. Line Spacing

Single / Double Spacing:

```
-V linestretch=1.0    # Single spacing
-V linestretch=1.5    # 1.5 spacing
-V linestretch=2.0    # Double spacing
```

1.3.10   10. Links & URLs

Colored Links:

```
-V colorlinks=true
-V linkcolor=blue
-V urlcolor=blue
-V toccolor=black
```

Hide Links (for print):

```
-V colorlinks=false
```

1.4   PRESET CONFIGURATIONS

1.4.1   Configuration 1: Professional Report

```
pandoc input.md -o output.pdf \
  --pdf-engine=xelatex \
  -V documentclass=report \
```

```
  -V title="Report Title" \
  -V author="Author Name" \
  -V date="\today" \
  -V geometry:margin=1in \
  -V fontsize=11pt \
  -V mainfont="Arial" \
  -V linestretch=1.15 \
  --toc \
  --toc-depth=3 \
  --number-sections \
  --highlight-style=tango \
  -V colorlinks=true \
  -V linkcolor=blue
```

1.4.2 Configuration 2: Technical Documentation

```
pandoc input.md -o output.pdf \
  --pdf-engine=xelatex \
  -V documentclass=article \
  -V geometry:margin=1.25in \
  -V fontsize=10pt \
  -V mainfont="Calibri" \
  -V monofont="Consolas" \
  --toc \
  --number-sections \
  --highlight-style=kate \
  -V colorlinks=true
```

1.4.3 Configuration 3: User Manual

```
pandoc input.md -o output.pdf \
  --pdf-engine=xelatex \
  -V documentclass=report \
  -V title="User Manual" \
  -V geometry:margin=1in \
  -V fontsize=11pt \
  -V mainfont="Georgia" \
  -V linestretch=1.3 \
  --toc \
  --toc-depth=2 \
  --number-sections \
  --highlight-style=monochrome
```

1.4.4 Configuration 4: Print-Ready (Black & White)

```
pandoc input.md -o output.pdf \
  --pdf-engine=xelatex \
  -V geometry:margin=1in \
  -V fontsize=11pt \
```

```
-V colorlinks=false \
--toc \
--highlight-style=monochrome
```

1.5   ADVANCED CUSTOMIZATION

1.5.1   Combine Multiple Files with Custom Order

```
pandoc \
  README.md \
  FEATURES.md \
  ARCHITECTURE.md \
  -o COMPLETE_DOCUMENTATION.pdf \
  --pdf-engine=xelatex \
  -V title="Complete Documentation" \
  -V author="Koperasi Team" \
  -V date="January 2026" \
  -V geometry:margin=1in \
  --toc \
  --toc-depth=2 \
  --number-sections
```

1.5.2   With Cover Page & Custom Styling

```
pandoc input.md -o output.pdf \
  --pdf-engine=xelatex \
  -V title="\\Huge\\textbf{Project Title}" \
  -V subtitle="\\large Subtitle Here" \
  -V author="\\textit{Author Name}" \
  -V date="\\texttt{January 2026}" \
  -V geometry:margin=1in \
  --toc
```

1.5.3   Include Images & Figures

```
pandoc input.md -o output.pdf \
  --pdf-engine=xelatex \
  -V geometry:margin=1in \
  --number-sections \
  -V graphics=true
```

1.6   METADATA YAML HEADER

You can add metadata directly in Markdown file:

```
---
title: "Koperasi Karyawan Documentation"
```

```
subtitle: "System Architecture & Design"
author: "Development Team"
date: "17 January 2026"
geometry: margin=1in
fontsize: 11pt
mainfont: Arial
toc: true
toc-depth: 3
number-sections: true
colorlinks: true
linkcolor: blue
---

# Your Content Here
```

Then convert simply:

```
pandoc input.md -o output.pdf --pdf-engine=xelatex
```

1.7 EXAMPLE TEMPLATES

1.7.1 Template for Official Documents

```
---
title: "LAPORAN TAHUNAN"
subtitle: "Koperasi Karyawan SKF"
author: "Tim Pengurus"
date: "2025"
geometry:
  - top=1.5in
  - bottom=1in
  - left=1.25in
  - right=1.25in
papersize: a4
fontsize: 12pt
mainfont: "Times New Roman"
linestretch: 1.5
toc: true
toc-title: "DAFTAR ISI"
number-sections: true
colorlinks: false
---
```

1.7.2 Template for Technical Docs

```
---
title: "API Documentation"
author: "Dev Team"
```

```
date: "`date +%d-%m-%Y`"
geometry: margin=1in
fontsize: 10pt
mainfont: "Calibri"
monofont: "Courier New"
toc: true
toc-depth: 4
number-sections: true
highlight-style: tango
colorlinks: true
linkcolor: blue
urlcolor: blue
---
```

1.8   BATCH CONVERSION WITH CUSTOM SETTINGS

Save this as `convert-custom.ps1`:

```powershell
# Custom PDF Conversion Script

param(
    [string]$Style = "professional"  # professional, technical, manual, print
)

$files = Get-ChildItem *.md

foreach ($file in $files) {
    $output = "$($file.BaseName).pdf"

    switch ($Style) {
        "professional" {
            pandoc $file.Name -o $output `
                --pdf-engine=xelatex `
                -V documentclass=report `
                -V geometry:margin=1in `
                -V fontsize=11pt `
                -V mainfont="Arial" `
                --toc `
                --number-sections `
                --highlight-style=tango
        }
        "technical" {
            pandoc $file.Name -o $output `
                --pdf-engine=xelatex `
                -V geometry:margin=1.25in `
                -V fontsize=10pt `
                -V monofont="Consolas" `
```

```
                    --toc `
                    --highlight-style=kate
            }
        "manual" {
                pandoc $file.Name -o $output `
                    --pdf-engine=xelatex `
                    -V fontsize=11pt `
                    -V linestretch=1.3 `
                    --toc `
                    --toc-depth=2
            }
        "print" {
                pandoc $file.Name -o $output `
                    --pdf-engine=xelatex `
                    -V colorlinks=false `
                    --highlight-style=monochrome
            }
    }

    Write-Host " $output"
}
```

Usage:

```
.\convert-custom.ps1 -Style professional
.\convert-custom.ps1 -Style technical
.\convert-custom.ps1 -Style print
```

1.9   TIPS & TRICKS

1.9.1   Remove Emojis Before Conversion

```
# Use sed or similar to strip emojis if needed
# Or they'll just be ignored (as warnings)
```

1.9.2   Page Breaks

Add in Markdown:

```
\newpage
```

1.9.3   Landscape Page in Portrait Document

```
\begin{landscape}
Your content here
\end{landscape}
```

1.9.4   Custom Header/Footer

Create `header.tex`:

```latex
\usepackage{fancyhdr}
\pagestyle{fancy}
\fancyhead[L]{Koperasi Docs}
\fancyhead[R]{\thepage}
\fancyfoot[C]{Confidential}
```

Use:

```
pandoc input.md -o output.pdf \
  -H header.tex \
  --pdf-engine=xelatex
```

1.10   RECOMMENDED SETTINGS FOR EACH DOC TYPE

1.10.1   README.md

```
pandoc README.md -o README.pdf \
  --pdf-engine=xelatex \
  -V title="Project Overview" \
  -V geometry:margin=1in \
  --toc
```

1.10.2   FEATURES.md

```
pandoc FEATURES.md -o FEATURES.pdf \
  --pdf-engine=xelatex \
  -V documentclass=report \
  -V geometry:margin=1in \
  --toc \
  --toc-depth=2 \
  --number-sections
```

1.10.3   ARCHITECTURE.md

```
pandoc ARCHITECTURE.md -o ARCHITECTURE.pdf \
  --pdf-engine=xelatex \
  -V fontsize=10pt \
  -V geometry:margin=1.25in \
  --toc \
  --number-sections \
  --highlight-style=kate
```

1.10.4   USER_MANUAL.md

```
pandoc USER_MANUAL.md -o USER_MANUAL.pdf \
  --pdf-engine=xelatex \
  -V documentclass=report \
  -V title="User Manual" \
  -V geometry:margin=1in \
```

```
-V fontsize=11pt \
-V linestretch=1.3 \
--toc \
--toc-depth=2 \
--number-sections
```

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Engine: XeLaTeX (MiKTeX 25.12)