**Panduan Functional Point Analysis**

**Untuk Bahasa pemrograman PHP**

Gunakan fitur analisis seperti :

* PHPLoc <https://github.com/sebastianbergmann/phploc>
* PHPMetric <https://github.com/phpmetrics/PhpMetrics>

lalu run dalam folder project Anda.

Contoh hasil untuk phploc

$ phploc src

phploc 4.0.0 by Sebastian Bergmann.

Directories 3

Files 10

Size

Lines of Code (LOC) 1882

Comment Lines of Code (CLOC) 255 (13.55%)

Non-Comment Lines of Code (NCLOC) 1627 (86.45%)

Logical Lines of Code (LLOC) 377 (20.03%)

Classes 351 (93.10%)

Average Class Length 35

Minimum Class Length 0

Maximum Class Length 172

Average Method Length 2

Minimum Method Length 1

Maximum Method Length 117

Functions 0 (0.00%)

Average Function Length 0

Not in classes or functions 26 (6.90%)

Cyclomatic Complexity

Average Complexity per LLOC 0.49

Average Complexity per Class 19.60

Minimum Class Complexity 1.00

Maximum Class Complexity 139.00

Average Complexity per Method 2.43

Minimum Method Complexity 1.00

Maximum Method Complexity 96.00

Dependencies

Global Accesses 0

Global Constants 0 (0.00%)

Global Variables 0 (0.00%)

Super-Global Variables 0 (0.00%)

Attribute Accesses 85

Non-Static 85 (100.00%)

Static 0 (0.00%)

Method Calls 280

Non-Static 276 (98.57%)

Static 4 (1.43%)

Structure

Namespaces 3

Interfaces 1

Traits 0

Classes 9

Abstract Classes 0 (0.00%)

Concrete Classes 9 (100.00%)

Methods 130

Scope

Non-Static Methods 130 (100.00%)

Static Methods 0 (0.00%)

Visibility

Public Methods 103 (79.23%)

Non-Public Methods 27 (20.77%)

Functions 0

Named Functions 0 (0.00%)

Anonymous Functions 0 (0.00%)

Constants 0

Global Constants 0 (0.00%)

Class Constants 0 (0.00%)

Catatan, untuk text editor Sublime, bisa diunduh dari <https://packagecontrol.io/packages/PHPLOC>

**Untuk Matlab**

<https://www.mathworks.com/help/ecoder/ug/analyze-static-code-metrics-of-the-generated-code.html>

**Untuk Visual Studio**

<https://learn.microsoft.com/en-us/visualstudio/code-quality/how-to-generate-code-metrics-data?view=vs-2022>

**Untuk C++ dan C**

<https://www.incredibuild.com/blog/top-9-c-static-code-analysis-tools>

**atau dengan menggunakan SonarQube dan pluginnya bila dibutuhkan**

[metric definition (sonarqube.org)](https://docs.sonarqube.org/latest/user-guide/metric-definitions/)