



## Literature Review : Software Analysis and Design

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### Introduction

Software Analysis and Design is an important analysis to determine the development interface and analysis design

### Paper Theme

We compare 4 papers that both use the concept or Quantitative Analysis Method and SDLC (Software Design Life Cycle).

### Conclusion

The SDLC model can be applied to projects that have a complete team with tight deadlines, the waterfall model can be used in limited team conditions and limited target system completion time.

### Research plan

Future research can compare the Waterfall model with Agile in a similar system project to obtain information which model is more effective in systems development situations.

### REFERENCES

- [1] Setyawan Widyarto(2022). Rancangan Perangkat Lunak(1<sup>st</sup> ed.). International Community Forum (ICF).
- [2] <https://library.aut.ac.nz/doing-assignments/literature-reviews>

Source Information	Janet Bishung, et al. (2019)	Pradip Peter Dey, Bhaskar Raj Sinha, Mohammad Amin, Hassan Badkoobei (2013)	Jiujiu Yu (2018)	Yudhi Kurniawan , Paulus Lucky (2019)
Research Question/ Topics	The objective of this paper is to conduct a critical analysis on current topics in <a href="#">Software architecture</a> and <a href="#">design</a>	Unified Modelling Language (UML)	Software development model is the form of the organization and management	Non-academic FB use bad for GPA, Academic FB use Good For GPA multitasking -ve
Methodology	Quantitative approach of analysis	Diagram Use Case	Waterfall Model	SDLC
Findings	Critical analysis on current topics in <a href="#">Software architecture</a> and <a href="#">design</a>	UML Diagram	Software development model is an expression of the whole process	System design for implementation Requirements analysis is defined and mapped according to function and ownership so that assumptions, constraints and descriptions can be made
Limitations	Cros sectional & correlation; Focus on GPA	Correlational Focus On GPA	-	-
Areas For Future Research	From the 4 papers it can be concluded that related to SDLC			

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