



The Influence Of Supervisor Lecturers And Peers On Final Assignment (Thesis) Cadet

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ABSTRACT

Thesis is part from Diploma IV Study Program curriculum . All PIP Semarang cadets are required make Thesis as condition For get title Bachelor Applied Shipping (S. Tr.Pel). During the manufacturing process thesis No it is also rare problems, both from Lecturer mentor, friend peers and environment campus. With Thus the aim of this research is to analyze influence Supervisor Lecturer and Friend Peers to Final Assignment (Thesis) PIP Semarang Cadets.

The research method used in this study is a quantitative method. The respondents of the study were PIP Semarang cadets Semester 7 and 8 from the Nautical, Technical and TALK Study Programs with a sample size of 220 respondents or cadets. Sampling was carried out using a questionnaire via google form with a Likert scale of 1 to 4. The data obtained from the questionnaire results were analyzed using the SPSS version 21 program.

The results of this study show that Supervisor Lecturers very has a significant impact on the Final Assignment (Thesis) . With thus when Supervisor Lecturer can carry out activity guidance with good and enthusiastic, then Cadet can finish Final Assignment or Thesis appropriate time . Friend Peers very has a significant impact on the Final Assignment (Thesis). With thus when Friend Peers can support and provide motivation to other cadets in carry out activity guidance, then Cadet can finish Final Assignment or Thesis appropriate time.

INTRODUCTION

Politeknik Ilmu Pelayaran (PIP) Semarang is a vocational college under the Ministry of Transportation's Human Resources Development Agency. PIP Semarang offers a Diploma IV program with three study programs : Nautical Studies, Engineering Studies, and Maritime Transportation and Port Management (TALK). All study programs have received Excellent Accreditation from the National Accreditation Board for Higher Education (BAN-PT).

Based on results observation early , obtained a number of information as following:

- Some cadets experienced difficulties in conducting guidance sessions with their supervisors. Some lecturers were on external work, had activities that could not be abandoned, or were busy with other tasks, making it difficult for the cadets to complete their thesis guidance.
- Peers or classmates sometimes support you, but there are also those who hinder you in completing your thesis (Hartato, Susanti, & Maryana, 2022), states that the motivation to graduate on time, the ability to write scientific papers, the availability of learning resources, the quality of thesis supervision, and the peer environment have a positive influence on thesis completion, both individually and collectively.

(Mulyani, Pendidikan, & Negeri Padang Penulis, 2023), indicates that motivation to graduate on time falls into the strong category (31.25%), health factors fall into the moderate category (34.38%), the availability of learning resources falls into the low category (40.62%), and the peer social environment falls into the moderate category (45.31%) regarding the completion of the final thesis.

(Bahrudi Efendi Damanik, 2022), This study is titled "The Influence of Reading Interest and the Role of Academic Supervisors on the Successful Completion of Final Projects." The results indicate that reading interest has a positive and significant partial effect on final project success ($t\text{-calculated} > t\text{-table}$: $3.167 > 1.991$), and the role of the academic supervisor also has a positive and significant partial effect ($t\text{-calculated} > t\text{-table}$: $2.915 > 1.991$). Furthermore, reading interest and the role of the academic supervisor simultaneously exert a positive and significant influence on final project success, with an $F\text{-calculated}$ value exceeding the $F\text{-table}$ value ($20.094 > 3.12$).

The purpose of this study is to analyze the influence of the Supervisor on the Final Assignment (Thesis) of PIP Semarang Cadets and to analyze the influence of Peers on the Final Assignment (Thesis) of PIP Semarang Cadets.

LITERATURE REVIEW

Study (Firdausi, Diana, & Junaidi, 2020), Based on this research, it shows that lecturer performance has a significant effect on the quality of student theses, lecturer awareness has a significant effect on the quality of student theses, lecturer openness has a significant effect on student thesis quality, lecturer performance, lecturer awareness, lecturer openness, and student satisfaction have a simultaneous effect on thesis quality college student . However, the





role and quality guidance lecturer in a number of aspect writing thesis according to perception student need improved Again.

(Yuliasri & , Sitti Syawaliyah Gismin, 2023), stated that the results of the analysis support social show that there are 49 students with percentage (15.81%) has level support social Friend same age category tall to settlement thesis. 201 students with percentage as much as (64.84%) has level support social Friend same age category medium and 60 students with percentage (19.35%) has level support social low to settlement thesis.

(Sulasteri, Nur, Kusumayanti, 2019), Based on the results of the analysis, it is known that intelligence indicators have the highest percentage of 60%, motivation of 44%, activity of 40%, peers of 60%, supervisors of 60%, families of 52% and facilities of 64%. Based on the qualitative factors obtained 1) the factors causing student delay increase the delay in completing the study consists of two factors, namely internal factors that complement intelligence, motivation, activity, while external factors include peers, supervisors, family, and facilities.

(Modouw & Nugroho, 2021), The result of the study showed that the motivation of on-time graduation, availability of learning resources, the quality of research consultation, and peer environment did not give positive impacts towards the completion of students' research.

A thesis supervisor is an academic who helps students complete their final assignment, called a thesis. This supervisor usually has expertise in a field relevant to the thesis topic being worked on by the student.

The following are some of the main roles of a thesis supervisor:

- Guidance in Topic Selection : The supervisor helps students in selecting topics that are appropriate and relevant to the chosen field of study.
- Assistance in Problem Formulation : The supervisor guides students in formulating clear and researchable research problems.
- Research Supervision : The supervisor provides guidance and advice in designing research methodology, data collection, and data analysis.
- Guidance in Writing : The supervisor guides students in the thesis writing process, starting from preparing the proposal to preparing the final thesis.
- Feedback and Corrections : The supervisor provides constructive feedback on the student's thesis draft and assists in making necessary corrections.
- Presentation Guidance : Before the thesis defense, the supervisor usually guides students in preparing presentations and explaining their research findings.
- Academic Advisor : The academic advisor also acts as an academic advisor who helps students overcome academic obstacles and provides advice regarding academic or professional careers.
- Progress Monitoring : The supervisor monitors the student's progress in completing the thesis and provides direction if necessary.

It is important to communicate openly with the supervisor and make good use of the mentoring meetings. A good relationship between the student and the supervisor can smooth the thesis writing process and improve the quality of the final result.

Friend peers, or normal called Friend contemporaries , are people who have age, level education, or level similar experience. They generally is at in group age or stage the same life, like Friend classmates at school, friends One class in college high, or colleague Work with background behind experience similar work .

Following is a number of the usual thing connected with Friend peers :

- Similarities Age or Stage Life : Friends same age often own similarity age or is at in stage similar life , like same semester student, friend classmate, or colleague Work with level similar experience.
- Similarities Interests and Activities : Friends same age tend own similar interests and activities. They Possible own similarity in hobbies, activities extracurricular, or interest in the fields certain.
- Support Social : Friends same age Can become source support important social. They can understand experiences and challenges faced Because similarity situation or stage life.
- Growing Together: Friends same age often experience change and development together. This Can covers journey academic , career , and other aspects life other.
- Network Social : Friends same age can to form network strong social. Connection This can beneficial in matter friendship, support emotions, and opportunities in life personal and professional.
- Mutual Friendship Understanding : Because it has background behind or similar situation , friend same age tend more understand One each other with more Good.
- Cooperation in Joint Project : Friends same age often Work The same in projects or tasks certain, such as project group at school or collaboration in environment Work.
- Importance Friendship : Friendship with Friend same age can give experience rich and increasing social quality life.

Friend same age play role important in development social and personal a person ,and a relationship This can be one of enriching aspects life daily.

Final Assignment or Thesis is part important from academic programs level Bachelor's degree. This is project study independent which is usually done by students at the stage end studies they . Purpose from Final Assignment or





Thesis is For show ability student in apply knowledge that has been they learn during studies they For investigate, analyze, and solve problems in the field certain. The following is a number of points important related Final Assignment or Thesis :

a. Topics Study :

Student choose Topic appropriate research with interest academic and field studies they. Topic This must relevant with study program curriculum and challenges For Motivate student For develop solution creative or give contribution to understanding in field the.

b. Election Lecturer Supervisor :

Student usually Work The same with a lecturer a mentor who has expertise in the relevant field with Topic research . Lecturer mentor guide student throughout the research and writing process .

c. Preparation of Proposal :

Student need prepare a research proposal that includes background behind problem , formulation problem, goal research, methodology, and review library. This proposal Then handed over For get agreement before student can continue to stage study .

d. Data Collection and Analysis :

After the proposal is approved, students carry out study in accordance with methodology that has been explained in the proposal. Data is collected, analyzed, and interpreted For answer question study .

e. Writing Report End :

Student write report the end that includes all aspect research, findings, and conclusions. Structure report generally covers introduction, review bibliography, methodology, results, discussion, and conclusions.

f. Hearing Thesis :

After completing report end, student attend hearing thesis where they presenting results study they are in front lecturer tester. In trial, students tested about understanding they to Topic research, the methodology used, and the findings produced.

g. Corrections and Revisions :

After the trial, students Possible need do correct or revision based on bait come back from lecturer tester. Report end fixed before approved For collection end.

Task End or Thesis allow student For demonstrate ability research, analysis critical , and understanding deep to Topic certain. In addition that, thing this also helps prepare student For enter to the world of work or continue studies postgraduate.

Research Framework :

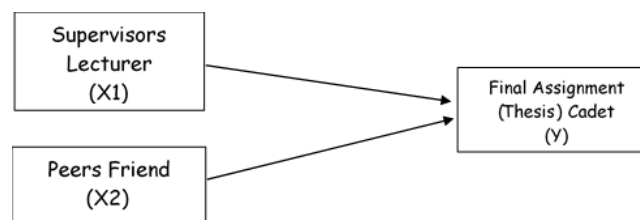


Fig.1. Research Framework

Hipotesis

- Supervisors Lecturer have a positive influence on the Final Assignment (Thesis) of PIP Semarang Cadets.
- Peers have a negative influence on the Final Assignment (Thesis) of PIP Semarang Cadets

METHOD

Method research used is Quantitative. Research quantitative that is technique analysis the data use technique quantitative (statistics) objective (Creswell, J. W., Creswell, 2023). While type study This use survey method. According to (Davison, 2023) that survey research is seen as method For describe in a way quantitative aspects specific from population certain so that collection the data done to a group of people whose results can generalized return to in a population certain.

Amount population study this is 430 of all over Cadets Study Program Nautical, Engineering and TALK semester 7 and 8, with use formula Slovin so amount sample were 220 respondents (Agustian, 2021). Data collection techniques with use questionnaire through google form. The data obtained is analyzed with using the SPSS ver.21 program with Likert scale 1 to with 4.



Table 1. Likert Scale

No	Symbol	Information	Score
1	SS	Strongly Agree	4
2	S	Agree	3
3	TS	Don't agree	2
4	STS	Strongly Disagree	1

Source: Riduwan (2009:88)

The Likert scale on Table 1 is used to measure the attitudes, opinions, and perceptions of an individual or a group regarding social phenomena. In this study, the Likert scale is employed to measure the influence of academic supervisors lecturer and peers on the cadets' Final Assignment (Thesis).

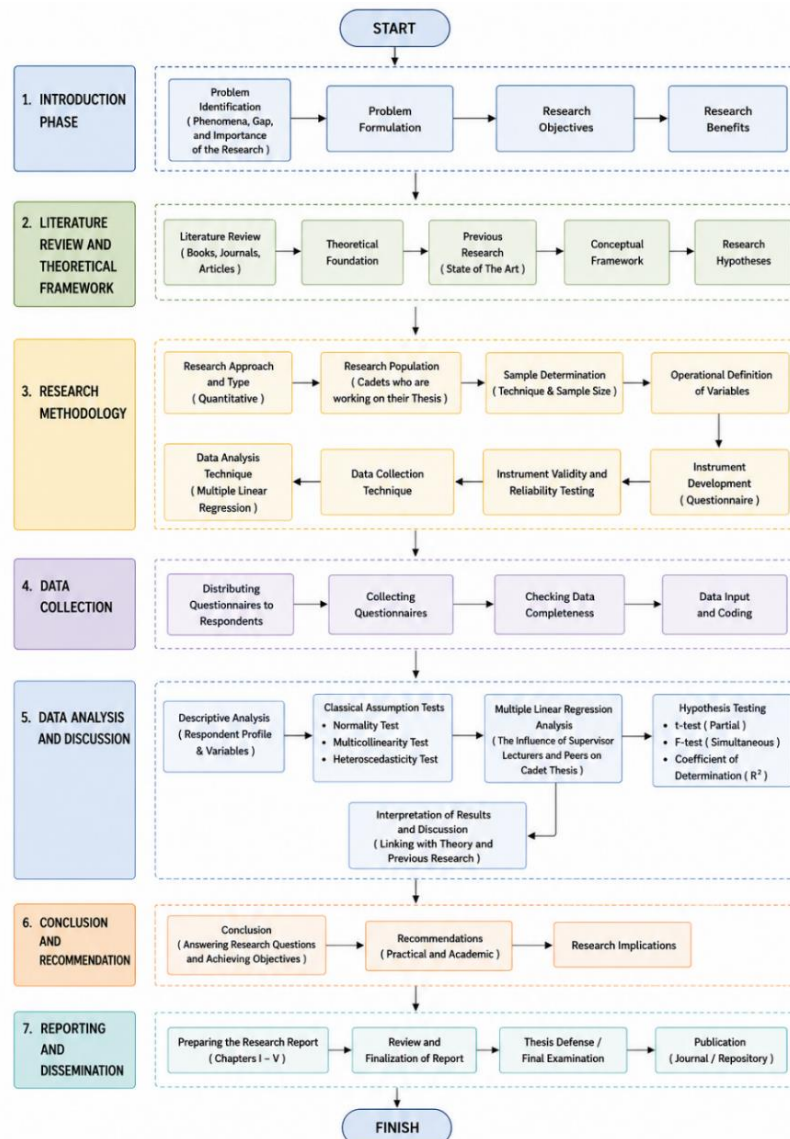


Fig.2. Research Flowchart

The research flowchart on figure 2 illustrates the systematic process of conducting the study entitled “The Influence of Supervisor Lecturers and Peers on Final Assignment (Thesis) of Cadets.” The research begins with the Introduction Phase, which involves identifying the research problem, formulating the research questions, determining the research objectives, and explaining the benefits of the study. The process continues with the Literature Review and Theoretical Framework, including reviewing relevant books, journals, and previous studies to establish the theoretical foundation, conceptual framework, and research hypotheses. The Research Methodology phase determines the quantitative research approach, population and sample, operational definitions of variables, research instruments, validity and reliability testing, data collection techniques, and data analysis techniques. The next stage is Data



Collection, which involves distributing questionnaires to respondents, collecting the completed questionnaires, checking data completeness, and coding the data. The collected data are then analyzed through Data Analysis and Discussion, including descriptive analysis, classical assumption tests, multiple linear regression analysis, and hypothesis testing using the t-test, F-test, and coefficient of determination (R^2). The results are subsequently interpreted and discussed by relating them to relevant theories and previous research. Finally, the study proceeds to the Conclusion and Recommendations phase, in which the research questions and objectives are addressed, practical and academic recommendations are formulated, and the research implications are identified. The final stage is Reporting and Dissemination, which includes preparing the final assignment or thesis, revising and finalizing the report, conducting the thesis defense or final examination, and disseminating the findings through journals or institutional repositories, marking the completion of the research process.

RESULT

Based on the results of processing Multiple Linear Regression data using the SPSS program ver.21, the following data was obtained :

Table 2. Regresion Result Variabel X_1 , X_2 and Y

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Supervisors Lecturer, Peer Friend ^b		Enter

a. Dependent Variable: Final Assignment (Thesis)

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.886 ^a	.785	.781	3,874

a. Predictors: (Constant), Supervisors Lecturer, Peer Friend

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
1 Regression	11773,620	4	2943,405	196,076	.000 ^b
Residual	3227,489	215	15,012		
Total	15001,109	219			

a. Dependent Variable: Final Assignment (Thesis)

b. Predictors: (Constant), Supervisors Lecturer, Peer Friend

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	-,245	1,878		-,130	,896
Supervisors Lecturer	,285	,056	,231	5,039	,000
Peer Friend	,208	,056	,165	3,700	,000

a. Dependent Variable: Final Assignment (Thesis)

Table 2 presents the results of a simple regression analysis conducted using SPSS. The variables analyzed are supervisor lecturer and peer friend as independent variables, and Final Assignment (Thesis) as the dependent variable.

Interpretation of output readings for the hypothesis testing process can be followed by the following steps :

Regression Model : $Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \epsilon$





a. **Bentuk hipotesis uji model linier :**

$H_0 : \beta = (\beta_1, \beta_2) = 0$ (non-linear equation or there is no relationship between X_1, X_2 , and Y)

$H_1 : \beta = (\beta_1, \beta_2) \neq 0$ (the equation is linear or there is a relationship X_1, X_2 , and Y)

b. **Analysis Design Formulation: linear model estimator $y = a + bx_1 + cx_2$, with a two-tailed test, significance level 5%.**

The sample-based regression equation is read from the output coefficients : Unstandardized coefficient B : constant, Supervisors Lecturer (X_1), Peer Friend (X_2), Final Assignment (Thesis) (Y)

The values obtained are $a = -0,245$, $b = 0,285$, $c = 0,208$

So, the regression equation is : $y = -0,245 + (0,285)X_1 + (0,208)X_2$

To accept or reject the hypothesis, read the F distribution calculation table or the ANOVA output table: the F value obtained is 196,076, sig = 0,000. There is no need to compare it with the F table, as SPSS already provides significant values.

c. **Analysis of Result :**

Sig = 0,000 = 0% < 5% means reject H_0 and accept H_1 . So the equation is linear or X_1 and X_2 together have a linear relationship to Y or X_1 and X_2 together have a positive effect on Y . Therefore, the analysis can be continued to the process of seeing the magnitude of the influence by looking at the value of the coefficient of determination R^2 .

d. **Interpretation of Results :**

The coefficient of determination can be read from the R-square value, namely in the model summary output:

The R-square value or $R_2 = 0,785 = 78,5\%$. This value indicates that the variation in the Final Assignment (Thesis) variable (Y) can be explained by Supervisors, Lecturers (X_1), and Peer Friends (X_2) by 78,5%. In other words, variables X_1 and X_2 together influence variable Y by 78,5%. The remaining 21,5% of variable Y is influenced or can be explained by variables other than Supervisors, Lecturers, and Peer Friends.

By accepting the regression equation $Y = -0,245 + (0,285)X_1 + (0,208)X_2$, this equation can be used as a basis for predicting the dependent variable Y if the values of the independent variables X_1 and X_2 are known.

DISCUSSION

Influence Supervisors Lecturer To Final Assignment (Thesis).

The results of the hypothesis testing conducted prove that the influence of Supervisor lecturers for Final Assignment (Thesis) very strong. From the data processing, simple regression analysis shows that the influence of the Lecturer variable Supervisor for Final Assignment (Thesis) has a significance value of $0.000 < 0.05$. This means that the Supervisor lecturers in a way direct influential significant to Final Assignment (Thesis) . Lecturer Mentor can grow Final Assignment (Thesis) with well, so will help settlement Final Assignment appropriate time .

Research result (Firdausi et al., 2020) state that performance lecturer in a way partial influential negative and significant to quality thesis for students study program accounting FEB Islamic University of Malang.

Based on results research and studies previous there is difference related with influence Supervisor lecturers to Completion Final Assignment or Thesis. Research results previous state that performance Supervisor lecturers have a negative impact on Final Assignment or Thesis, while results study state Supervisor lecturers influential positive to Completion Final Assignment or Thesis PIP Semarang Cadets.

Influence Friend Peers To Final Assignment (Thesis).

The results of the hypothesis testing conducted prove that the influence of friends Peers to Final Assignment (Thesis) very strong. From the simple regression analysis data processing shows that the influence of the Friends variable Peers to Tasks Final Assignment (Thesis) has a significance value of $0.000 < 0.05$. This means that Friends Peers in a way direct influential significant to Final Assignment (Thesis) . Friend Peers can help in creation and compilation Final Assignment (Thesis) with well, so will help settlement Final Assignment appropriate time.

Study (Hanapi & Agung, 2018) state that there is significant relationship between support social Friend same age with self efficacy in finish thesis for students Faculty Psychology UIN Suska Riau. This means, the more tall support social Friend same age so the more high self efficacy in finish thesis on students. Likewise, vice versa, the more low support social Friend peers, then the more low self efficacy in finish thesis for students.

Research result previous own same result with research conducted researchers, namely factor Friend Peers influential significant to Completion Final Assignment or Thesis PIP Semarang Cadets. With thus Friend same age can give motivation and spirit to PIP Semarang cadets For finish Thesis appropriate time



CONCLUSION

Based on results discussion , then can concluded as following :

1. Lecturer Mentor very has a significant impact on the Final Assignment (Thesis). With thus when Lecturer Mentor can carry out activity guidance with good and enthusiastic, then Cadet can finish Final Assignment or Thesis appropriate time.
2. Friend Peers very has a significant impact on the Final Assignment (Thesis). With thus when Friend Peers can support and provide motivation to other cadets in carry out activity guidance, then Cadet can finish Final Assignment or Thesis appropriate time

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