Analysis Of The Impact Of Budget-Refocusing Policies On The Sustainability Of Construction Services Companies

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Abstract.

Business actors in the construction sector in the pre-pandemic period showed good performance, the projects obtained were on target, contract values rose, and operating income increased, until stable liquidity there was no minus, so, before the pandemic, projects were planned according to their schedules, the right targets, to the appropriate cost plan, but after the pandemic, hence the emergence of the government's policy on diverting the project budget for disasters (Covid 19), where this policy is called budget refocusing, the regulation is contained in the 'Regulation of the Minister of Finance of the Republic of Indonesia Number SE-6 / MK.02 / 2020'. During the pandemic, construction work can hinder the implementation of the proposed project to show declining performance. The purpose of this study is to find out the factors that influence consultants in construction management activities and also to find out the impact of government policies on budget refocusing on construction project planning. Data collection was carried out by survey through a questionnaire, the respondents to this study were those in a Surabaya consulting company that was directly involved in the field of building construction that was affected by budget refocusing. As for the results of factor analysis in the correlation analysis test, one factor that significantly influences consultants in construction management activities is the factor of high labor wages with a correlation of 0,709. And for the impact of budget refocusing on construction project planning on cost factors, where the indicator is the untimely payment with a test value of 4,369.

Keywords: Budget Refocusing, Building Projects, Construction, and Government Policy.

I. INTRODUCTION

The pandemic disaster during construction works may hamper the implementation of the proposed project, for example, some of the workforces cannot report activities due to obstruction of mobility, on the other hand, accelerated infrastructure development contributes greatly to creating a construction services market in Indonesia, Construction companies are given a schedule by which the project must be completed (Yustika, 2020). In the pre-pandemic period, business actors in the construction sector showed good performance. The projects obtained were on target, the contract value increased, the business income increased, and there was no stable liquidity. So, before the pandemic, the planned projects were by schedule, the right target, and the appropriate cost plan.

Then the pandemic came, which caused problems in the construction industry during the pandemic (Indriani, 2021). Government policies to reduce the movement of people or the gathering of people in a location have an impact on physical construction development activities that require direct worker activities at the project site, activities and movements cause delays that have a negative impact considering that project activities cannot be postponed (Gamil, 2020). From this case, the researcher wants to research the analysis of the impact of budget-refocusing policies on the sustainability of construction service companies. The purpose of this assessment is to determine the factors that influence consultants and determine the impact of government policies on refocusing budgets in the implementation of construction projects.

II. METHODS

Before that, it's good to know what budget Refocusing is, many meanings define Refocusing. Budget refocusing is centralizing or refocusing the budget, while in terminology, budget refocusing is concentrating or refocusing the budget for activities that were not previously budgeted through budget changes. The goal of refocusing the budget during this pandemic is to reallocate the budget, such as Refocusing the State Budget (APBN) for Covid-19 (Ministry of Finance, 2020) This research stage begins with a literature study related to the problem taken by the researcher, then makes a composition of several questions that will be used as a questionnaire, then tested first by several people to find out how the shortcomings of the questionnaire are

until the questionnaire is feasible to be shared with respondents related to the implementation of construction projects, respondents to this study have experience of construction that is clarified from the length of work experience and immediately felt the influence of Covid-19 and the impact of government policies on budget refocusing.

Data collection by distributing questionnaires in the form of written statements to parties that have been targeted in Surabaya, questionnaires are presented in quantitative form using a Likert scale of 1 to 5 as a measuring tool. The instruments used as measurements in this study are indicators of each variable, after the data is collected, then the data processing process is carried out using a method to get the appropriate research results. In other words, at this stage, all data is processed so that it can produce answers to the formulation of research problems, one software that will be used to help analyze statistical data is SPSS (Statical Package for Social Science). Data processing begins with conducting data testing, data testing using validity and reliability tests, testing this data is useful for the feasibility of questionnaire data that will be used for subsequent analysis. After that, the next step is to determine the influence factor in this study using the Partial correlation analysis method which aims to determine the level of variable relationship on indicators. The next step is to find out the shape and magnitude of a variable to build an equation and use the equation to make an estimate using the multiple regression analysis methods.

III. RESULT AND DISCUSSION

Research Respondent Data

The research survey is carried out using a questionnaire that is distributed to parties related to carrying out construction projects. Of the total 35 questionnaires distributed, the returning questionnaires totaled 34 questionnaires. All respondents in this study immediately felt the influence of Covid 19 and the impact of government policies, namely refocusing the budget in the city of Surabaya.

Resp.	(%)
3	9%
5	15%
4	12%
3	9%
3	9%
3	9%
4	12%
6	18%
3	9%
34	
	Resp. 3 5 4 3 3 3 4 6 3 34

Table 1. Position of Respondent

Validity Test

This test was performed with Pearson Correlation or by comparing the data can be seen if whitening is greater than table with sig 5% / 0.05. If $r_{table} < r_{count}$ then it is declared valid, and if conversely table > r_{count} then it is declared invalid. In this study r_{table} with N=34 which is 0.0339 (seen from the validation table). **Table 3.** Invalid Variable Validation Test Results

Variable	Indicators	Code	Items	r count	Information
X3	Equipment	P3	Loss of work equipment	0,308	Invalid
Y1	Cost	Y1	Fluctuations in interest rates on loans in banks	0,291	Invalid
Y2	Time	W5	Improper construction/execution methods	0,233	Invalid
Y3	Quality	U6	Bad organization	0,166	Invalid
D 1	1.11. 0				

Reliability Test

The reliability test is used to determine the extent to which the measurement results remain consistent if two or more measurements are taken of the same symptoms using the same measuring device. The criterion of the variable is said to be reliable if it gives a Cronbach Alpha value of > 0.600.

Table 4. Reliability Test Results			
Variable	Cronbach Alpha (>0.600)	Conclusion	
Х	0.951	Reliable	
Y	0.953	Reliable	

Partial Correlation Test Analysis

In this study, the partial correlation test aims to determine the level of variable relationship in the indicators, which is for coefficient: 0.00-0.19 the level of relationship is very low. 0.20-0.39 the relationship level is low. 0.40-0.59 the relationship level is medium. 0.60-0.79 the relationship level is strong and 0.80-1.00 the relationship level is very strong.

Variable	Indicators	Code	Partial Correlation	Relationship Level	
	Reduced number of workers in each work	T1	.689	Keep	
	item due to the implementation of Physical				
	Distancing		0.00		
	The importance of skills/certifications for	12	.829	Strong	
Labor (X)	the workforce	T 2	505	17	
	Replacement of new labor	13	.595	Keep	
	Workers from outside the city must do a	14	.708	Strong	
	<i>rapia</i> test/swab <i>test</i>	т <i>с</i>	500	17	
	workers daily productivity is reduced due	15	.589	кеер	
	Increase in the price of materials in the	M1	620	Voon	
	micrease in the price of materials in the	IVI I	.020	Keep	
	Limited amount of material on the market	М2	725	Strong	
	during execution	1012	.125	Strong	
Material (X2)	Delays in the arrival of materials due to	М3	681	Keen	
Water fai (X2)	closed mobilization access	WI5	.001	ксер	
	Scarcity of material materials	M4	.378	Low	
	Unsuitable quality of materials	M5	.630	Keep	
	The occurrence of material loss	M6	.722	Strong	
	Delays in equipment delivery due to closed	P1	.575	Keep	
	mobilization access			1	
	Equipment malfunction/ineligibility	P2	.576	Keep	
Equipment (X3)	Equipment out of place	P4	.317	Low	
	Low productivity of tools due to	P5	.492	Keep	
	restrictions on working hours			Ĩ	
	Performing CCO / Addendum Additions	S 1	.816	Strong	
Mathod/Solution	Making changes to construction methods	S2	.566	Keep	
(X4)	Adding manpower	S 3	.549	Keep	
(74)	Increase working hours	S4	.815	Strong	
	Reallocating the budget	S5	.640	Keep	
	Good funding from Contractors	K 1	.666	Keep	
	Make Payments By The Agreement	K2	.820	Strong	
	There is a change in the allocation of funds	K3	.616	Keep	
Finance (X5)	by the owner				
	High wages of labor	K4	.709	Strong	
	Money intensive for faster completion	K5	.461	Keep	
	ahead of schedule				
	Estimated project costs exceed actual costs	B2	.554	Keep	
	There is an increase in implementation	B 3	.571	Keep	
	costs due to additional work and				
Cost (Y1)	rework/redesign	D4	699	Varia	
	Untimely payment	B4	.088	Keep	
	The occurrence of aboress in the value of	D) D2	.700	Strong	
	the contract (contract addondum)	D0	./44	Suong	
	The timing of the implementation does not	W 71	401	Varr	
Time (Y2)	motoh the original plan	W I	.491	кеер	
	match the original plan				

 Table 5. Partial Correlation Test Results

	The occurrence of an extension of the implementation time from the planned	W2	.852	Strong
	The abundance of additional work	W3	.852	Strong
	The owner's work plan often changes	W4	.635	Keep
	The quality of work is not up to standard	U1	.554	Keep
	Rework and dismantling of work items that	U2	.571	Keep
	have been worked on			
Ouality (Y3)	There is a defect in the resulting product not by technical specifications	U3	.688	Keep
	Errors in estimating the complexity of the project	U4	.700	Strong
	Lack of oversight of sub-contractors and suppliers	U5	.744	Strong

Pearson Correlation Test Analysis

The correlation test aims to determine the degree of closeness of the relationship between the variables expressed with the correlation coefficient (r), whether the variable X affects variable Y while knowing the degree of relationship according to the table of the level of the coefficient relationship, and knowing the type of relationship between variables X and Y can be positive and negative.

For decision-making in correlation tests where the significance value is <0.05 then correlated, if >0.05 then it is not correlated, in the guidelines the degree of relationship is determined by the degree of relationship of the correlation coefficient.

Variable	Factor -	Variable Correlation Rate Y			
variable		Y1	Y2	Y3	
X1	Workforce	Tall	Very High	Tall	
X2	Materials	Enough	Tall	Enough	
X3	Equipment	Enough	Very High	Enough	
X4	Method/Solution	Tall	Very High	Tall	
X5	Finance	Tall	Very High	Tall	

Table 6. Pearson Correlation Test Results

Multiple Linear Regression Test Analysis

This study, it aims to solve the formulation of the problem in this study, namely to determine the factors that significantly affect consultants in carrying out construction management due to the impact of government policies on budget refocusing. Multiple regression analysis aims to determine the presence or absence of the influence of two or more free variables (X) on the bound variable (Y).

Decision making with: sig value < 0.05/t calculate > t table.

Table 7. Multiple Linear Regression Test Variable Y1 (Cost)

Variable	Code		t count	Sig
Constant		27.415		
	B2	2.309	1.327	.195
	B3	-1.729	-0.959	.346
Cost (Y1)	B4	7.547	4.369	.000
	B5	10.127	6.107	.000
	B6	-2.352	-1.303	.203

Decision making with t table = 2,048

In the output above, a regression model is obtained as follows:

Y = 27,415 + 2,309 + (-1,729) + 7,547 + 10,127 + (-2,352)

And based on the partial t-test that has been analyzed, there are 2 indicators of the cost factor that significantly influence on consultants in carrying out construction management due to the impact of government policies on budget refocusing, with a t value calculated $> t_{table}$, as for these factors, namely:

- Factor (B4) Untimely payment, where the result is 4,369 > 2,048 so it is declared influential.
- Factor (B5) Improper and unorganized allocation of funds, where the result is 6,107 > 2,048 so it is declared influential.

Variable against Y1				
Indicators	t count	Sig		
B4	3.207	0.000		
B5	2.212	0.003		
Varia	ble X against Y2			
Indicators	t count	Sig		
W1	6.167	.000		
W3	8.350	.000		
W4	4.595	.000		
Variable X against Y3				
Indicators	t count	Sig		
U3	4.369	.000		
U4	6.107	.000		

IV. CONCLUSION

- 1. Factors that influence consultants in construction management activities have a very significant value and a strong level of relationship to the implementation of construction projects that will affect construction management activities, for these factors, namely :
 - a) In the Labor Variable, a very significant factor is the Labor expertise factor with a partial correlation value of 0.829.
 - b) In Material Variables, a very significant factor is the factor of limitation of the amount of material with a partial correlation value of 0.725.
 - c) In the Method/Solution Variable, a very significant factor is the factor of performing a CCO/ addition of an addendum with a partial correlation value of 0.816.
 - d) In financial variables, a very significant factor is the factor of high labor wages with a partial correlation value of 0.709.
- 2. The impact the effect of budget refocusing on construction project planning will have an impact on cost, time, and quality factors.
 - a. Cost Factor :
 - Untimely payment, where the result t count is 4.369
 - Improper allocation of funds, where the calculated result is 6.107
 - b. Time Factor :
 - The implementation time was not by the original plan, where the calculated result was 6.167
 - The number of additional jobs for which the result t count is 8,350
 - The owner's work plan is often arbitrary, where the result t count is 6.107
 - c. Quality Factor :
 - There is a defect in the resulting product not by technical specifications, where the result is t 4.369
 - Error in estimating the complexity of the project, where the result is t 6.107

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