Determinant of Capital Structure: New Evidence Panel Datafrom100 Largest Cooperativesin West Java

Abstract-Study of Capital structure in Indonesia cooperative entity is almost never be done, the sources of cooperative capital not only from internal source i.e. reserve of business surplus and members contribution but also derived from debts. Ability to raise capital also becomes a major problem for cooperative in Indonesia. The study was conducted to assess the financial performance as determinant factors affecting on cooperative capital structure. Descriptive quantitative research method used in this study, using new evidence panel secondary data from 100 samples size of largest cooperatives in West Java. Analysis data used regression correlation analysis approach either partially or simultaneously. The study results showed that partially are not all financial performance that analyzed as a determinant of cooperative capital structure, from six financial performancesthat measured, only sales stability, asset structure, and company size that become determinant factors that effect oncooperative capital structure, while profitability, liquidity, and business risk are not as a determinant factors of cooperative capital structure. But simultaneously all financial performances that analyzed by multiple correlation becomes determinant factors that effect oncooperative capital structure.

Keyword- Financial Performance and CooperativeCapital Structure

INTRODUCTION

ofcooperativeorganizationin lassicalproblems Indonesia related to cooperative's abilitytoraise capital. Cooperative was founded, managed and cooperative service is primary used by members. Cooperativemember as an owner and anuser of cooperative organization that mentions as dual identity of cooperative member.Cooperative as a business entitythat ownedby members. capital requirementsshouldbe membersthemselves. In 1987 the United States Department of Agriculture (USDA) adopted just the three principles of user ownership, user control and user benefit.

The problem of cooperative capital gradually can be explained as follows: First, internal capital of cooperative that sources from business surplus reserve, the amount of business surplus reserveislimited because the primary cooperative orientation is not profit oriented but service for their members. So the amount of business surplus reserve is also limited. Second, capital source collectedfromcooperative members, there isstructuralweakness of cooperative capitalthat isvariability amount of capital required, its weakness in raising capital because the principle of cooperative that must be followed (Sutaryo Salim, 2000). Another opinion states that the capital function in a cooperative is handicapped, because the amount of benefits available for a member is not dependent on his capital contribution but on his patronage of the cooperative (Röpke J. 2002). Cooperative is less attractive to members, prospective members and other investors, who wish to become a member simply because it has excess capital, the real problemof cooperative equity capital accordance to member ability and participation to contribute cooperative capital. Third, another important capital sourcesfromdebt, 2015, cooperative

cooperativecapital resourcesnationally stillsourcefromdebt, thisconditionis notin accordance withindependence cooperative principle, and cooperativewas founded, managed and used by members.

Statistical data from Ministry ofCooperatives and SME's indicates that theperformance ofcooperative capitalin 2011 to 2015:



Table 1: Capital Structure Development of Cooperative in

Source: Financial Report of Ministry of Cooperative and SME's of Indonesia

Based on table 1, indicate that the source of cooperative capital derived from loan capital in 2011 was 53% and decreased until 42% in 2015. This condition can be interpreted that the ability of cooperatives in collecting loan capital is relatively decreasing.

As described above, that loan capital is one of the main alternatives for cooperatives because the ability of the cooperative to collect the source of internal capitalis limited and the amount of source of equity capital from members is small and gradually accepted. See the development of capital sources on table 1, the source of cooperative capital derived from loan capital decreased, this is due to various factors related to the performance of cooperatives that impact on public confidence in the cooperative was declining.

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2015 changesof proportion From 2011 ofdebtcapitaltototal equityas capital structure, capitalstructure is the mix of the debt and equity the firm uses to finance its operations is either given or irrelevant to the decisions we've been making (Cornet et al, 2012). Capital structure can be measured by debt to asset ratio (DAR) or debt to equity ratio (DER), according to the same author those ratio is a debt management ratios measure the extent to which the firm uses debt (or financial leverage) versus equity to finance its assets.

At the same time, from 2011 to 2012, cooperative DER is greater than 1 (DER <1) and from 2013 until 2015 is lower than1(DER <1), illustrates that the proportion of cooperative debtis lower than their equity. Debt to equity ratio indicates as an ability of cooperative to collect debt capital to finance cooperative asset. Cooperative capital structure can be used as an indicator of cooperative sfinancial performance but the other sidemay also as a cooperative risk.

Determining the appropriate capital structure is a difficult decision that cooperatives need to consider several factors that can affectingon capital structure. Factors affecting oncapital structure is the stability of sales, asset structure, operating leverage, growth rates, profitability, tax, control, management attitude, the attitude of lenders and agencies ratings, market conditions, internal conditions and the company's financial flexibility (Brigham and Houston, 2001). Acaravci, Songul Kakilli (2015) identifies that from the empirical results present that there are significant relationships between growth opportunities, size, profitability, tangibility and leverage variables. But non-debt tax shields explanatory variable has insignificant effect on leverage 1 (book value of total debt/total assets) variable. Result of study by Lim, Thian Cheng (2012) show that profitability, firm size, non-debt tax shields, earnings volatility and non-circulating shares are significant influence factors on financial sector.

The aim on this study to access financial performance as determinant factor that effect on cooperative capital structure on the 100 largest cooperative in West Java. That is capital structure conditionsisnot different with cooperative capital structure nationally, DER<1.

2. LITERATUREREVIEW

Cooperativeis aneconomic movementbased on theprinciple of brotherhoodthat has important functionandrolein fosteringthe economic potentialof the realizethe prosperoussociety. people, and to Cooperativeactivities based oncooperativevalues and principles, whichareguidelinesforcooperativeworkin makinganyeffort, cooperativesaseconomic organizationsthatare notspecializedactivitiestocreate gainbut ratherto createthemembers welfare, in aformof satisfactory service, the principal task of cooperativeto support the economic interest of the member. Business decision should bebased on theinterests of the members, in order tostimulateandincrease theeffective participation of members.

In Indonesian Act No. 25/1992/ Cooperatives, Article 41, mention that cooperative capital consist of equity and debt capital. Source of equity capital derived from principal and compulsory saving, business surplus reserve, and grant. Debt capital derived from members, other cooperative and its member, bank and other financial institution and bond issued.

Brigham, E.F, (1999), describe that obtainingcapitalstructureindicatesthe sourceof capitalorcapital contributions fromownersandcreditors, financialcontributionofmembersas equityorshares, reservesandother deposits formation, therebycooperativecapital resourcescanalsobe obtainedfromits owncapital resources(equity) as well asthe source of loan capital (Debt) (Hanel, A1989).

Differences judgment regardingthe theory of capital structure continue until now, Modiglianiand Millerarguethat leverage (capital structure) is independent of the value of the company, and is known to irrelevance theory, Furthermore, Modiglianiand Miller concluded that leverage will increase the value of the company due to debt interest reduces the taxable income (Brigham, E.F., 1999).

Cooperatives are also faced by the decision of selecting capital sources, use of debt can be justified, if it can provide additional member service at better price. The theory of capital structure has been developed include:

(1) Agency theory, proposed by Jensen and Meckling (1976) Horne and Wachowicz,(1998), a management as an agent and owner as a principal. Principal hopes the agent will act on his behalf, to be able to function properly, the management should be given incentives and adequate supervision. (2) Signaling theory, that stated by Brigham and Houston (2001), a signal of management actions taken to give guidance to investors about how management sees company's prospects, companies with favorable prospects will try to avoid sale of shares and commercialize any new capital required by other means, including the use of debt that exceeds the normal target capital structure. (3) Asymmetric Information Theory, is a situation where managers have different information (better) about the prospects of the company owned by investors, asymmetry information occurs because management has more information than investors (Myers and Majluf, 1984), so that outside investors trying to capture signal activity manager to suspect the company's prospects. (4) Pecking Order Theory, companies like internal financing (retained earnings), if funding from outside (external financing) is required, the company will publish the safest securities in advance, which began with bonds issued or debt, and followed by securities that characterized the options (such as convertible bonds), finally if it is still inadequate, the new shares issued.

In accordance with this theory, there is not a target of debt to equity ratio, because there are two types of capital itself, namely internal and external, own capital from the company preferably on own capital that comes from outside the company. Companies prefer to use funding from internal capital, the funds derived from cash flow, retained earnings and depreciation (Myers 1996). The order of use of funding sources with reference to the pecking order theory is: internal funds, debt and equity. In this study, the capital structure is a combination of various sources of funding, with the main categories of debt and equity, which used by cooperative to finance cooperatives assets, the formula:

Many factors that predicted by experts as a determinant factors of the capital structure. The determinants of the capital structure right now is a difficult decision for cooperative organization, that need to consider several factors which can influence capital structure. The capital structure is defined as the ability to raise funds and partially offset by an increase in organizational performance. This is to maintain business continuity, trust members and stakeholders.

Risk factors of business, tax position, financial flexibility and conservatism or aggressiveness of management are factors that determine capital structure decisions; especially in the target capital structure (Brigham and Houston 2001).

The result of previous study shows that size of the company, characteristics/type of industry, sales growth, asset structure, operating leverage, non-debt tax shield and simultaneously profitability affect the capital structure(Windayu, CindeRirih2016). Ghoshet al, (2000) revealed that determinant variables of capital structure are growth of assets, fixed asset ratio, R & D Expenditure have significant effect on the capital structure, the same research have been conducted by Nyanamba, Steve Ondieki, et al (2013) The results of research identified the major determinants of the capital structure of micro-enterprises as being access to capital markets, size of the business, profitability of the business and lender's attitude towards the firm.

The other empirical research shows that the determinants of capital structure are: tangibility, firm size, growth rate, profitability, liquidity and dividend payout) have an impact on capital structure (Sangeetha, Ms.M. and N. Sivathaasan, 2013,Serghiescu, Laura and ViorelaLigiaVaidean 2014 and Lim, Thian Cheng, 2012).

Based on result of several researches above, determinant factors of cooperative financial performance that are affecting on capital structure in this study, limited by relating factor such as: (1) *Sales stability*, companies with relatively stable sales may be safer to obtain more loans and fixed using a higher burden in the form of interest on loans

compared with companies whose sales are unstable (Brigham and Houston, 2001). Company with sales relatively stable means having a stable cash flow as well it can use more debt than companies with sales of unstable. Sales stability, measured by growth in sales or service, according to the formula:

(2) Profitability, most of the empirical studies show that there are inconsistent theoretical predictions on the effects of profitability on capital structure. In the trade-off theory, more profitable firms should have higher leverage because they have more income to shield from taxes. The free cashflow theory would suggest that more profitable firms should use more debt in order to discipline managers, to induce them to pay out cash instead of spending money on inefficient projects (Bauer, 2004). Most empirical studies observe a negative relationship between capital structure and profitability (Huang and Song, 2005; Wahabet al., 2012; Yolanda and Soekarno, 2012, Tomak, 2013; Wahab and Ramli 2014). Profitability ratios show the combined effects of liquidity, asset management, and debt management on the overall operating result of the firm (Cornet et al. 2012). Profitability measures theability to generate profit from the level of sales, assets, orcertaincapital, thusprofitabilitycan be describedbyprofit margin, return on assetsandreturn on equity, thenetprofitof cooperativeorganizationassumed to be equalto the cooperative business surplus. Profitability is definedasearningsbeforeinterestandtaxto totalassets:

(3) Asset structure is also another important determinant of capital structure. AssetStructureisthe overallassets ownedbycooperativesorlisted on thebalance sheet, whichincludescurrentassetsandnon-currentassets.

Companies thathave acorrespondingproportion of assets to guarantee loanst end to use debt. There is a positive relationship between tangible assets and debt (Titman and Wessels, 1988). Companies that have the guarantee of debt will be easier to get debt than companies that do not have a guarantee (Brigham and Gapenski, 1999). The more tangible the firm's assets are the more such assets can be used as collateral. This will encourage borrowing. Assetstructuredescribes someamountof assetsthatcan bepledged as collateralvalueofassets. The asset structureis measuredby comparing thenoncurrentassets withoverallassets owned by the cooperative in a certain period.

(4) Liquidityis measuredby thecurrent ratioand current liabilities, highliquiditymeans the companyhas the abilityto payshort-term debt, so thattends tolower the totaldebt, whicheventually capital structure will be smaller. The empirical research shows that liquidity is adeterminant of capital structure and has an impact on capital structure (Serghiescu, Laura and Viorela Ligia Vaidean 2014 and Lim, Thian Cheng, 2012). The liquidity ratios measure the relationship between a firm's liquid or current assets and its current liabilities (Cornett al, 2012). Liquidity is measured:

- (5) Businessriskisthe riskof thecompanyis currentlynotable coveroperationalcostsandinfluencedby thestabilityof incomeandexpenses. Earnings volatility can reflect the corporate business risk. It is generally a proxy for the probability of financial default (Titman and Wessels, 1988). businessrisktend Companieswithhigh avoidusingdebtfinancing. Since leverage increases the risk of financial distress, it is expected that earnings volatility is negatively related with leverage. As Qianet al. (2007) demonstrated, when firms have high volatility, cash will be accumulated during the flourishing period to avoid future underinvestment and thus the negative relationship is advocated from the pecking order hypothesis.Businessriskis the uncertaintyfaced bythe calculatedas companyin business.Businessriskis standarddeviationof returncan beshapedmargin, return on equityand theotherfor severalyears. Measured bythe formula:
- Risk=standarddeviationofcooperative returns6)
- (6) The Company size, describethe size of a company, measured bytotalsalesortotal Someresearchersuseassetor salesgrowthis positivereflectingthe thecompany, greatersize of thusmultiplyingalsofunding alternativesthatcan selectedin increasingprofits. Wald (1999), and Booth et al. (2001) provide evidence to support that large firms are leveraged.Inthisstudythe companysize measured by the amount of cooperative asset growth compared toprevious cooperative assets.

Pa,t Cooperative Assetsat year t Pa,t-1 Cooperative Assets at year t - 1

3. THEORETICAL FRAMEWORK

Based on the literature review, research frameworkcan be describedon figure 1 asfollows:

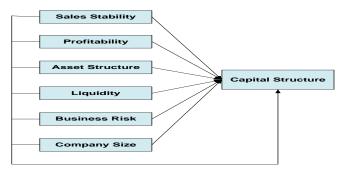


Figure1: Model of Research Paradigm

Based onthe researchframework above, thehypothesiscan be formulatedas follows: Partially, withdrawnhypotheses: (1) There is effect of sales stability oncooperativecapitalstructure, (2) There is effect ofprofitabilityoncooperativecapitalstructure, iseffectof asset structure oncooperativecapitalstructure, (4) There is effectof liquidityon the cooperative capital structure, (5) There is effect ofbusinessriskon the cooperative capital structure, and(6) There is effect ofcompany size oncooperativecapitalstructure. And (7) simultaneously, the financial performance as determinant factors that effect oncooperative capitalstructure"

4. METHODOLOGY

4.1. Sample

The target populationforthis study comprised of 300 largest cooperatives in West Java, Indonesia and the sample size consisted of 100 cooperatives (n =100). This study used random sampling technique which falls in probability samplingdomain for the selection of cooperatives sample.

4.2. Procedure

To accomplish above mentioned objectives and hypotheses, the data for this study are extracted from audited annual reports of 100 largest of cooperatives in West Java, this study utilize secondary data that collected over the population period of five years (2011, 2012, 2013, 2014 and 2015). In this study, different methods of statistical processing have been applied. SPSS software programmed exclusively applicable to statistical processing is used for processing data. Here, Correlation, Regression, and descriptive statistics are used to analyze the data. In this study use sales stability, profitability, asset structure, liquidity, business risk and company size as independent variable and cooperative capital structure is the dependent variable.

4.3. Method

This type of researchisdescriptivequantitativeresearch. Thesurvey methodon population is used. Methodsof analysisto explain thestrengthanddirection of the influence of the independent/explanatoryvariableson the dependent variableare using multiple regression models. Use of this analytical model, should avoid the possibility of

deviation by the classicas sumptions. The relationshipbetween the dependent variable (Y) with the independent variable (X) is described in the multiple regression models.

Y = f(X1, X2, ..., Xn) 8) Multiple regression equation becomes:

Notes: Y as a dependent variable, a value of Y when X = 0 X1, X2,...,Xnas anindependentvariable 1,2, and-n bslope of variable X1,X2,..,Xn.

Regression Equation:

Y = a + b1X1 + b2X2 + b3X3 + b4X4 + b5X5 + b6X6 + b7X.....10)

Notes:

Y = Debt to Asset ratio

 $b1 \dots bn = Coefficient of regression$

X1 = Sales Stability

X2 = Profitability

X3 = Asset Structure

X4 = Liquidity

X5 = Business Risk

X6 = Company Size

Hypothesistestis conducted bythe significance testof independent variables(Xi) to the dependent variable(Y) either partially or simultaneously with the statistical test (t - test) and F test.

5. ANALYSIS AND FINDINGS

This studyhastesteda variety ofclassical assumptionsrequiredandconsidered important in themultiple regression analysis, theresults arethe data/residualis normal distribution/normal data, does notoccurmulticollinearityamongthe independentvariables, does

notoccurheteroscedasticityorvariantdisturbancevariablesco nstant(homoscedasticity),

and not occur autocorrelation between residuals of each independent variable.

The results of partial correlation analysis, the correlation coefficient(r) and the determinant coefficient(r²) to describe the effect of financial performance as determinant factors on cooperatives capital structure can be explained in the following table 2:

Table2: Correlationcoefficient, coefficientDeterminantandSignificanceEffect

No	Affecting Variables	Correlation Coefficient	Determinant Coefficient	Significance	
1	Sales Stability	0.489	23,9%	Significance	
2	Profitability	0.016	0%	Not significance	
3	Asset Structure	0.685	46,9%	Significance	
4	Liquidity	-0.066	0,4%	Not significance	
5	Business Risk	-0.015	0%	Not significance	
6	Company Size	0.502	25,2%	Significance	

Sources: Analysis result

Based on theanalysis results, it can be explained on the analysis of the effect of each independent variable in the form of a cooperative financial performance as a determinant factors on cooperative capital structure: (1) The

magnitude correlationcoefficientofeffect ofsales cooperatives stabilityon capital structureby r=0.489withdeterminant coefficient(r2)=23.90% asignificance testresultof 0.000, because theprobability of0.000less than 0.05, it can be statedthatsales stabilityeffectson cooperative capitalstructureis significantly. It means that the ability of cooperative storaise capitalsourcedfromdebtcapitalis influencedordeterminedby sales stability. (2) The effect ofprofitabilityoncooperatives capital structurewith acorrelationcoefficient (r)=0.016 ordeterminant coefficient (r²)=0.00%. Results oftests of significanceof0.902, greaterthan 0.05, it can be statedthatprofitabilitydoes noteffect on capitalstructure. So thehypothesis thatthere is an influenceon theprofitability ofcapitalstructureis notproven. (3) The effect ofasset structure oncooperatives capital structure. withr=0.685ordeterminantcoefficientofr2=46.90%. Results of significance testof 0.000, less than 0.05, it can be concludedthat hassignificant asset structure effect oncooperative capitalstructure. (4)ofliquidityoncooperative structurecan be capital explained that magnitude of correlation coefficient of r=-0.066ordeterminantcoefficientofr²=0.40%. Test resultsare significancefora significance greaterthan 0.05, then liquidity does not effect on cooperative capitalstructure. The effect ofthe businessriskoncooperative capital structurewithcorrelationcoefficientof r=-0.015orthedeterminant coefficient of r²=0%. Significance testresultscan be seenthat the significance level of 0.910 is greaterthan0.05, businessriskdoes then noteffecton cooperativecapitalstructure. And(6) Effect of company size cooperativecapital structurewitha correlationcoefficientof =0.502orthe (r) determinantcoefficientof r²=25.20%. Resultsof significance testsof 0.000is smallerthan0.05, it meansfirm sizeeffect oncooperative capitalstructure.

Simultaneously, the effect of the sales stability, profitability, assetstructure, liquidity, business risk, and company size on cooperative capital structure can be explained from multiple correlation analysis in the following table 3:

Table 3: Model Summary Multiple Regression

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.708a	.502	.445	8.36641

a. Predictors: (Constant), Sales Stability, Profitability, Asset Structure, Liquidity, Business Risk and Company Size

Based on the analysisin Table3, it can be explained that determinant factor of sales stability, profitability, assets tructure, liquidity, business risk and company size simultaneously have a very strong effect, with a correlation coefficient of 0.708 or coefficient determinant of 50.20%. Significance test result can be seen that significance level of

0.000, less than 0.05, it can be statedthatsix of determinant factors offinancial performanceeffect on cooperative capitalstructuresignificantly. The resultsofmultiple regressionequationusedtopredicthow muchthe variablecooperative capitalstructurechange whenthere arechange invariables ofsales stability, profitability, assetstructure, liquidity, business risk, andcompany size. Results of regression analysisare presented n the following table 4:

Table 4: Calculation of Coefficients Regression

		Unstandardized		Standardi		
		Coefficients		zed		
				Coefficie		
				nts		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	770	1.466		525	.602
	Sales Stability	.019	.024	.096	.769	.445
	Profitability	002	.112	002	016	.987
	Asset Structure	.100	.027	.518	3.699	.001
	Liquidity	002	.005	072	409	.684
	Business Risk	.019	.303	.071	.392	.697
	Company Size	.093	.058	.192	1.603	.115

a. Dependent Variable: Capital Structure

Linear regression equation is:

Y = -0.770 + 0.019X1 - 0.002X2 + 0.100X3 - 0.002X4 + 0.019X5 + 0.093X6

Based on the significance test, it can be seen that with a significance level of 0.000, less than 0.05, it can be concluded that sales stability, profitability, asset structure, liquidity, business risk, and company size effectoncooperative capital structure. Constants significance testing can be done by comparing the value ttable with t count value, for a 5% error level test of the parties with df = n-2, the obtained ttable of 1,997. If -1.997 \leq t \leq 1.997 mean that there is a significant effect ofsix independent variables oncooperative capital structure as dependent variable.

6. DISCUSSION

Based on results of partial statistical analysis shows that only 3 financial performances are analyzed as determinant factors of cooperative capital structure that are sales stability, asset structure, and company size, but Profitability, liquidity, and business risk are not a determinant factor of cooperative capital structure.

Sales stability, asset structure, and company size become determinant of cooperatives capital structure can be described as follows; (a) Cooperative ability on maintaining sales stability or member services will be determinant in the decision of acquisition of debt as a funding source. This illustrates that if member service activity can be improved bycooperative, the cooperative should find additional sources of financing, the easiest one is sourced by loan rather than from other sources such as members deposit, if member deposit must be increased have to wait this decisionon member meeting, or capital

sources fundedby cooperative business surplus, usually is very small amount. (b) Asset structure has a significant effect on cooperative capital structure, asset structure pledged as collateral for cooperative loans, greater ratio of asset structure shows that cooperative increasingly ability to provide collateral for their loans, in other words cooperative more solvable. (c) Company size effects on capital structure, it can be explained that the cooperative has bigger size of cooperative company ithas greater opportunity for obtaining fund from loan. Or in other words, the greater cooperative size is easier to access loan capital sources. Thus, based on the analysis and findings hypothesis 1,3 and 6 are upheld and accepted.

Variables of profitability, liquidity, and business risk is not a determinant factor of cooperative capital structure, that can be explained: (a) There is no effect of profitability oncooperatives capital structure, it means the ability of cooperatives to raise capital sourced from capital loans are not determined by cooperative profitability, this condition illustrates that decision to increase capital resources derived from loan does not consider the level of profitability, since most of small of cooperative profitability and cooperative goal is not profit oriented but service oriented for their members. (b) The results of this analysis showed that the level of liquidity is not a significant effect on cooperative capital structure, because loan as source of cooperative capitalisobtained by cooperative mostlyfrom government credit program, which is channeled through cooperatives or for the cooperative itself, such as business credit (Kredit Usaha Rakyat), loans disbursed by Institute of Management Revolving Funds (Lembaga Pengelolaan Dana Bergulir), a soft loan from the partnership program (Program Kemitraan) and so on, in which direction the distribution in order to empower cooperatives and SMEs, and not pay attention to the ability of liquidity. And (c) The business risk variable has no effect on cooperative capital structure, because that lender to ignore the risks facing cooperative, as described beforebusiness risk is measured by deviation of expected return with real return. Return obtained year after year cooperative relatively stable thus indicating the occurrence of low volatility. It can be seen in ROE obtained fromcooperative population during the last three years of growth averaged only 0.21% per year. Hence, hypothesis 2,4 and 5 were not upheld and accepted and therefore rejected.

This research study revealed that simultaneously six of financial performance:sales stability, profitability, asset structure, liquidity, business risk, and company size as determinant factors that effect on cooperative capital structure, these result are basically consistent with previous studies. Thus, based on the analysis and findings hypothesis 7 are upheld and accepted.

7. CONCLUSION

The conclusion from this study include: In partial analysisare not all of financial performance as determinant

factors of cooperative capital structure, only financial performance that measured by sales stability, asset structure, and company size. Profitability, liquidity, and business risk are notas determinant factors of cooperative capital structure, but based on the multiple correlation analysis show that six of financial performance variables as measured by sales stability, profitability, asset structure, liquidity, business risk, and company size as determinant factors that effect oncooperative capital structure.

8. IMPLICATIONS

This research study has implications in both practical and theoretical aspects. As far as the theoretical aspect has been concerned, this research study is not only highlighting the importance of cooperative financial performance has an effect on cooperative capital structure. If cooperative financial manager makes decision especially related to raise capital source from debt has to consider the several financial performance factors that effect on cooperative capital structure, partially that are sales stability, asset structure, and company size, but simultaneously, sales stability, profitability, asset structure, liquidity, business risk, and company size asdeterminants of cooperative capital structure. So, if the sources of cooperative capital will be increased especially from debt must be considered by those factors.

Meanwhile on the theoretical implications end, this study is evolving a new role that sales stability, profitability, asset structure, liquidity, business risk, and company size as determinant factors context by putting it as a predictor of cooperative capital structure and this theory can be extended in this dimension.

9. LIMITATIONS & FUTURE RESEARCH

This research study has been conducted in the largest cooperativeinWest Java, Indonesia, due to lack of resources and time. Future researchers can replicate it on more cooperative level including medium and small cooperatives and also not only in West Java but nationally. Sample size was small for this research but in future needs larger samples. Future research can also use non-financial performance variables rather than only financial performance.

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