Internal Factors Affecting Islamic Banking Financing for Micro, Small, and Medium Enterprises

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Abstract. The islamic banking is one alternative in overcoming the phenomenen of a country's economic mequality. This is seen from its intermediation function is channel for funds for Micro, Small and Medrom Enterprises (MSME) for the sake of commic stability. This may seem to analyze the outernal factors that influence Islamic banking framewing for MSME in Indoorer. The type of research is quantitative research with according data. The cross section data includes the Islamic Banking data in Indoorers, which is correct the data from the first quanter of 2014 to the foorth quarter of 2014. Forthermore, the data were analyzed using parallel is represent until the French Effect Model (FEM). Hered on the results of analysis, it shows that the Expital Adequacy Ratio (CAR) and Non Performing Financing (NPF) factors has a positive and significant offeed in MSME financing. While Operational Costs Operating Income (BOPO) and Financing to Deposit Ratio (FDR) has a populary and significant effect on MSME financing. Thus the CAR, BOPO, NPF and FDR factors influence significantly of related parties to develop MSME in Indianasia.

Keywords: Islande Banking, Internal Factors, MSME Financing, Panel Data Regression, FEM.

1. Introduction

The banking is a financial intermediary institution (Financial Intermediates) channeling funds from parties with excess money (Surplus) to those who lack funds (Deficit) with a specified time. Banking has a function as a collector and distributor public funds. So banking is also referred to as a public trust institution (Agent of Trust). In addition to functioning as an Agent of Trust, banking also functions for national economic development (Agent of Development) in the context of increasing equity, economic growth an authoral stability.

Financial sector plays an important role in driving a country's economic growth (Solaindon, 2017). One alternative in overcoming the phenomenon of economic inequality is Islamic banking. Islamic banking is a bunking product based on the Islamic economic system (Asses, 2015).

Figure L. Graph of the development of MSME and corporate loats in 2016 - 2017



Source: Indonesia's sunsistey of cooperatives and small and medium enterprises (KUKM)

The islamic banking plays an active role in beloing the development of MSME in Indonesia. Islamic banking in Indonesia in its intermediation function also allocates financing to MSME.

Corresponding author roads Individually a representation of

Table I: Development of basiness units in MSME in 2016 - 1017

1	260000	dans.	-
-	Microstoposo	1201122	294
E	Stad adoption	25:10)	1,56
N.	Medium mirrproori	2107.5	2.67

Source: Indonesia's ministry of cooperatives and small and medium enterprises (KUKM)

MSMII demonstrate the ability to survive even in the face of a crisis. Companies are required to determine the appropriate strategy in order to survive and win in the competition so that the objectives of the company can be reached (Randi, 2018). The ability of MSMI: to survive with personal resources makes many feel optimistic that at present and in the future MSMII are a milestone for the survive of the national economy (Muhammad, 2015)

Table 2. Development of gross showever product (CDP) at supplant prices in MSMF in 2016 - 2817

NA.	Selector	(States)	Negrote
-10	Мьею епигране»	115:994,6	4,38
+	Small anterprises	99,719.3	6.02
331	Michigan Indiagraphics	526174	5.00

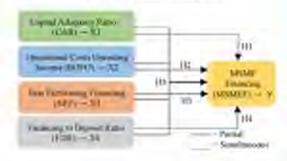
Source: Indonesia's ministry of cooperatives and small and medium enterprises (KUKM)

To componer MSME, the roles of government, immed institutions and beauties active are recoled. Expectable of concents implementation of a productive association of stability of the outerprise system development is an important role of SMEs in formation of the gress democrat product (ODP) of the state should be noticed (Syetlans, 2015).

Judging from the forms of financing effered to Islamic banking according to Kanin (2016), namely financing, with the principle of buying and selling, sental principles, perfet sharing principles, and supplementary contracts.

The research objectives are: (1) find out and analyze the influence partially (positive) negative) of internal factors on Islamic Banking financing for MSME in Indonesia and (2) find out and analyze the influence intributionally of all internal factors on Islamic Banking. Summing for MSME in Indonesia.

Figure 1. Research framework



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The hypotheses in this study acc, (1) CAR max is positive and significant effect on MSM6F. (2) BOPO has a negative and significant effect on MSM6F. (4) NFF has positive and significant effect on MSM6F. (4) FDR has a negative and significant effect on MSM6F. and (5) CAR. POPO, NFF, and FDR factors influence simultaneously and significantly towards MSM6F.

2 Methodology

2.1 General description of research

2.1.1 Type of research

This type of research is quantitative research. In this study, the data studied were secondary data. The cross section data includes the data from Islamic Commercial Banks (BUS) in Indonesia. While the time series data includes data from quanter I 2014 multi-quarter IV 2018. Data obtained from several sources include, BUS. Francial Services Authority (OJK), Ministry of KUKM, research pager, books and other reliable reference sources. The data is processed by EViews III sufficient.

2.1.2 Research varieties

The independent variable (independent) in this study is an internal factor, namely CAR (X1), BOPO (X2), NPF (X3), and FDR (X4). Meanwhile, the dependent variable in this study is MSASEF (Y).

2.1.3 Research sample

This study uses a sampling technique by purposive sampling. The number of research samples are 11 I slamis. Commercial Banks (IIUS) which remove them one by one from each bank and registered in OJK. This is criteria based on the selection on the completeness of the each bank data from annual finance reports during the study period (2014 - 2018).

Table 3. Besearch samples from RES.

200	Company Name
18.	TV Back Spools Monthly The
2	FT Sonk BNI Syanak Thit
2	PT Back ORI Search, 19th
4	PT Sock Alog Hortor Synnak This
	Mr. Sant April Storet. The
- k	FS Sunk Manusche Indonesia This.
100	PT Burk Machael Stands Indonesia This
1.51	100 Hards Systemb (Bellergin, TEA)
- 0.1	15 Smh BCA Statute Dis
-0.0	P. Carlo Parce Online Street, Crit
10	PT. Sank Map Stemak: This

Source: Indonesia's Financial Services Audiority (OJK) in 2018

2.2 Regression model selection test

2.2 f Chow test

Chore test in used to determine the best test method between the two methods namely the common effect model (CEM) or fexed effect model (FEM) which will be used in panel data modeling (Hasnki, 2017).

- 1) The hypothesis used is:
 - a) H_i CEM
 - b) III. FEM
- 2) The decision used is:
 - a) If the value of grob F > 0.05 then Ha is necepted and H₂ is repected.
 - b) If the value of prob. If a 0.05 then He is rejected and H_i is accepted.
- 3). The formula used in

$$CHOW = \frac{(ESS1 - ESS2)/(N-1)}{(ESS2)/(NT - N - K)}$$
(1)

Information

ESSI - Residual sun square alleged FEM.

ESS2- Residual sum square alleged CEM

N -: Amount of cross section

Amount of time series

K. — Amount of explanatory variables

222 Hausman test

Harmonia test is used to determine the best test method between the two methods namely fixed effect model (FEM) or random offeet model (REM) which will be used in punel data modeling (Hamki, 2017)

- 1) The hypothesis used is:
 - n) HarREM
 - b) He FEM
- 2) The electron used is:
 - ii) If the value of prob. Chi-Square > 0.03 then the is accepted and H₁ is rejected.
 - b) If the value of prob. Chr-Square = 0.05 then He is rejected and He is accepted.
- 3) The formula used is

$$WAUSMAN = (ff - h)(M0 - M1)^{-1}(ff - h) - X^{2}(K)(2)$$

Information:

- P = Vector for FEM variable statistics
- 5 Vector for REM variable statistics
- Mil. Alleged orvariance matrix FEM
- M1 = Alleged povariance matrix REM

2.3 Classic assumptions test

23 t Multicollinearity fest

Multicollurerrity test is used to test whether in the regression model, there is a correlation between independent variables (Koncoro, 2014).

- 1) The hypothesis used is
 - a) 1la Multicollinearity occurs
 - b) H. No multicollinearity occurs
- Corresponding eather read believe after the property and

- 2) The doctrion used in
 - a) If the value of t > 0.3 then H_i is accepted and H_i is accepted.
 - b) If the value of r = 0.9 then H₀ is rejected and H₁ is sweephed

2.3.2 Heleroscedesticity test

Heteroscodistricity test is used to test whether in the regression model, there is an unequal variance from the residuals of one observation to another (Kanaoro, 2014).

- 1) The hypothesis used is:
 - 10 Hs: Heterosoedasticity occurs
 - b). If: No beteroscodasticity occurs
- 2) The decisions used is:
 - a) If residuals are beforescedantic then Ha is accepted and H_i is rejected.
 - b) If Residuals are homoscedastic then He is rejected and H₁ is accepted

2.4 Regression model test

The regression model test is using panel data regression which is no analytical method to show differences between individuals as seen from the difference in their constants.

The formula used is:

$$Y = \alpha + \beta 1 N1 it + \beta 2 X2 it + \beta 3 N3 it +$$
 (3)

Inforgation :	2474 72
F MSMEF	at is Interception
NI - CAR	jf - Regression coefficient
X2 = B000	e - Error
AT = NPF	1 - Bank - i
NY - FIDE	j = Quarter + t

2.5 Hypothesis test

2.5.1 Partial test

Partial lest (t) is used to determine whether some ependent variables individually have a significant sufficiency on the dependent variable (Obserate 2013).

- 1) The in potherns used is:
 - a) He There is no significant effect of the independent sample on the dependent variable
 - b) II: There is a significant effect of the independent variable on the dependent variable
- 2) The decision used in
 - a) If the value of -t _____ = t____ and the value of prob = significance level, Fig. is accepted and H; is rejected.
 - the value of prob. the significance level then H₀ is rejected and H₁ is accepted
- The formula used is:

$$t = \frac{r\sqrt{n-2}}{\sqrt{1-R^2}}$$
(4)

Information :

- Lüstebotion
- Partial correlation coefficient
- R1 Coefficient of determination
- a Amount of data

2.5.2 Simultaneous test

Similaneous test (F) is used to determine whether all independent variables simultaneously have a significant effect on the dependent variable (Ghorais, 2013).

- 1) The hypothesis need is:
 - There is no agnificant chiest of 20 independent satisfies on the dependent variable.
 - b) II. There is a agnificant effect of all independent variables on the dependent variable
- 2) The doctries used in:
 - If the value F _____ < F ___ and the protection > significance level. H₂ is accepted and H₂ is rejected.
 - If the value of F man = F see and the value of prob the significance level then Ho is rejected and H₀ is accupted
- 5) The formula med in :

$$F = \frac{R^2/R}{(1 - R^2)/(n - k - 1)}$$
(5)

Information :

F -F take

RT - Coefficient of determination

- Amount of variables
- n Amount of data

3 Results and discussion

3.1 General description of company

The general description of the company in the study is a Lehanic Commercial Hank that motches the study sample and is registered with the Indorresian Funsicial Services Authority. Furthermore, testing and analysis of the acceanch results will be carried out in stages.

3.2 Analysis of regression model selection test

3.2.f Analysis of chow test

Table 4. Chow iest yesulin

Seils (et	Statistic	d.C.	Proh
Convention F	161381083	(10,205)	0.0000
Convincetion Clu-opare	483.843344	10	0.0090

Hased are in table above, the value of prob. F equal to (0.00) = (0.05) then H₀ is rejected and H₁ is accepted. This means that the most appropriate model is FEM.

3.2.2 Analysis of hausman fest

Table S. Hansman net results

Test Summery	Chi-Sq Statistic	Chi-Sq &f.	Prob.
Cross-section random	9.89007%	4	0.0423

Based on the able above, the value of prob. Chi-Square of (0.04) (0.05) then H_i is rejected and H_i is accepted. This means that the most appropriate model is FEM.

3.3 Analysis of classic assumptions test

3.3.1 Analysis of multicolinearity test

Table 6. Multicolinearity test results

	-XI-	32.	X).	X4.
XI	1.000000	-0.197220	50.284972	10 E/654
X2	-0 197226	1.000000	0.545800	-E.137(04
×3	0.294272	0.545860	3.2000003	-0.090575
364	-0.038645	-0.137104	-0.000573	1.000000

Based on the above table, all values of y = 0.9 then H₁ is rejected and H_2 is accepted. This means that there is no multicollinearity occurs.

3.3.2 Analysis of heteroscedasticity test

Table 7. Heteroscedudicity test results.

Panel Cross-section Helerockedistristy LR Test Null hypothesis. Residuals are homoscodostic Ponel Period Heleroskodosticity LB Test Null hypothesis. Residuals are homoscodostic Spesification. Y C X1 X2 X3 X4

Based on the table above, Residuals are Homosecolastic then their rejected and H₁ is accepted. This means that no hypercocolasticity occurs.

3.4 Analysis of regression model test

Table 8. Panel data regression test results

Yearly	Coefficient	Std. Error	Piob.
c	B.7129506.	437504.2	0.0000
XI	0.71721.30	9679.691	0.0000
X2	-0.E354.049	3816.305	0.0290
X3	B 32248.92	9983.954	0.0014
204	-0.8525.172	15411.772	9,0000

Equation of regression results (

 $Y = 0.713 + 0.717 \times 1 \text{ ir} - 0.839 \times 2 \text{ ir} + 0.322 \times 3 \text{ ir} - 0.932 \times 4 \times + \varepsilon$

 X1 variable has a positive effect on Y with a coefficient of 0.717. If X1 mercusus by 1 unit, it will increase Y by 0.717. (2) X2 variable has a negative effect.

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on Y with a coefficient of 49.839. If X2 increases by I unit, it will decrease Y by 40.839. (3) X3 variable his a positive effect on Y with a coefficient of 0.322. If X3 increases by I unit it brill increase Y by 0.322. (4) X4 variable his a negative effect on Y with a coefficient of 0.932. If X4 increases by I unit, a will decrease Y by 0.032.

3.6 Analysis of hypothesis test

3.5 f Analysis of pertial test

Table 9. Partial test results

Yasible	>district.	SM Titor	Pink
C	16.31872	437994.2	0.0000
- 30	T,499462	9579.091	0.0000
X2	-2.199523	3816.305	0.0290
X3	3.229719	9985 854	0.0044
84	-6.652274	1548/772	.0.0000

 $III - XI \rightarrow Y$

XI variable has a L., of 7.409 with a prob lettl. 0 III. By using a significance level of 0.05. Because the value of 0.05. Because the value of 0.05; then (1.09) = 1 are (1.043) and prob (0.09) = 1 are (1.043) and the CAB takes in light the bank is able to make a high contribution to MSMII financing.

 $H2 = X2 \rightarrow Y$

X2 sursable has a t mone of -2 199 with a prob (and 10.02). By using a significance level of 0.05. Security the value (a.2.199) (t mone) (a.0.1) and prob (0.02) c significant (a.0.15) then H₀ is rejected and H₁ is accepted. This means that the BOPO hypothesis has a negative and significant effect on MSMHS accepted. This shows that if the BOPO value is high, the bank will minimize the risk of operational systemics and not provide a high contribution to MSME financing.

 $ID = XX \rightarrow Y$

X3 variable has a training of 3.229 with a prob level 0.00. By using a significance level of 0.05. Because the value of 0.05. Because the value of 0.05 is a significance from (1.943) and prob (0.05) is again to 0.05 then Ha is rejected to the income that the NFF hypothesis has a positive and sugnificant effect on MSMFF incorpted. This shows that if the NFF value is high three the bank will be rough to doub ooth comperforming found and be able to make a high contribution to MSMF financing.

 $H4 = X4 \rightarrow Y$

X4 variable has a 1 _____ of 4,052 with a prob legal 0.00. By using a significance level of 0.05. Securice the value of 0.05. Securice the value of 0.05 (then 16 in rejected of 10, in accepted. This means has the FOR hypothesis him a negative and agrificant effect on MSMER accepted. This shows that if the FDR value is high, the bank will support payment in various and not provide a legh contribution to MSME frameing.

Table 18: Simultaneous test results

R-source	0.979658
Adjusted Respunce	0.978301
S. S. of regression	9.954714
F-Mativisc	706.2564
Prob(F-stalledis)	0.000000

F = X1, X2, X3, dan X4 → Y.

traved on the table above, it shows that coefficient determination of R-squared is (0.97) = 97% and the F ______ is 765.2564 with a peob level 0.00. By using a significance level of 0.05. Decame the value of F ______ (700.2564) = F _min (4.53) and prob F (0.00) = mg. (0.05) then He is represed and He is incorpled. This means that the CAR, BOPO, NPF, and FDR factors hypothesis influence satisfactoristly and significantly sowards. MSMOP morepled. This shows that these internal factors givenly affect MSMO. Summing

4 Conclusions

failed on the results and discretion, it can be concluded that the CAR and NPF factors has a positive and registroant affect on MSMITF. Whereas DDPO and FDR, has a negative and significant effect on MSMITF. Then the CAR, BOPO, NPF, and FDR factors influence sensitianeously and significantly towards MSMITF.

References

- [1] Agus, Abdul, Tim (2015). Bevelopment of Islamic Banks in Indonesia. JHS Vol 1, 18859-2477-0157.
- [2] Smaki. (2017). Analisis Regensi dalam Penelitian Ekonomi dan Binus. Depok. P.J. Rejugrafiada Persada.
- [3] Checali (2013) Aplication of Analytic Multivariate with SPSS2I Program. Semanag. Univ. Diposeguos.
- [4] Kurin (2016) Inufinir Piqik dan Kewangan. Jakara PT Gesindo Persada.
- [5] Kementenan Koperan dan UMKM | KUKM (2015). Laponen Koperan dan UMEM [Internat]. Turunda Jetp. John depkon golid.
- [6] Kancoto. (2014). Metode Riset awark Bisms dan Element Johnste. Erlangge.
- [7] Mahammal (2015) Metodologi Penelitian Ekonomi Islam, Johntz Rajawah Press.
- [8] Obroba Jan Krumpan / Ofk. (2017) Laporar Statistic Perhantan Sparial (IECS) [Internet] Templis: http://www.cek.go.id.
- [9] Rondi Gideriyet N. Bambang Wedjumrto Olori, Roy Komistrom. (2018). Enveronmenthy Medicing on Company Reputation of Business Performance Using PLS UMET Vol.9. ISSN: 1970-6340.
- [10] Salahudin, Lukyuwani, Almim (2017) The Effect of Bilamir Banks on Economic Growth in Indonesia Journal Al-Musers of Vol 3, ISSN: 2337-6333.
- [11] Svolum, Razanna, Vitteria, Elatorna, (2016). Development of Small and Medium Enterprises Programs in the Stateonal Region of the Rassian Federation, 19871 Vol.6 (ISSN 2146-413.

^{3.5.2} Analysis of simultaneous fest

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