

TABLE OF CONTENT

FOREWORD	iv
TABLE OF CONTENT	vi
LIST OF TABLES	ix
LIST OF FIGURES	xi
LIST OF APPENDICES	xii
INTISARI	xiv
ABSTRACT	xv
CHAPTER 1 INTRODUCTION	1
1.1 Research Background	1
1.2 Problem Statement.....	3
1.3 Research Questions	8
1.4 Research Objectives.....	9
1.5 Research Contributions.....	10
1.6 The Scope of Research.....	10
1.7 Organisation of the Research.....	11
CHAPTER 2 REVIEW OF THE LITERATURE	12
2.1 Depository Institution: Bank.....	12
2.2 Banking Liquidity	13
2.2.1 Measuring Liquidity Risk Exposure	14
2.2.2 Banking Liquidity Regulatory Policy in Indonesia.....	15
2.2.3 Effect of LCR and NSFR regulation on Banks.....	16
2.3 Banking Internal Variables	17
2.3.1 Total Asset.....	17
2.3.2 Return on Assets (ROA)	18
2.3.3 Non-Performing Loan (NPL).....	19
2.4 Banking External Variables	20
2.4.1 Real GDP	20
2.4.2 Money Supply (M2)	22
2.5 Previous Research Works.....	23
CHAPTER 3 RESEARCH METHODS	25
3.1 Research Design	25
3.2 Data and Samples.....	26

3.2.1	Data Collection Methods	26
3.2.2	Research Sample and Population	26
3.3	Research Instrument.....	27
3.3.1	Dependent Variable.....	27
3.4	Independent Variable.....	27
3.4.1	Internal Variables.....	27
3.4.2	External Variables.....	28
3.5	Data Analysis Methods	28
3.5.1	Descriptive Statistics	28
3.5.2	Regression and Coefficient Analysis.....	28
CHAPTER 4	RESULT AND DISCUSSION	32
4.1	Data Description and Analysis	32
4.2	LCR Model Description and Analysis	33
4.2.1	LCR Model Descriptive Statistics.....	33
4.2.2	LCR Model Correlation Analysis Before Pandemic	38
4.2.3	LCR Model Regression Analysis Before Pandemic.....	52
4.2.4	LCR Model Coefficient Analysis Before Pandemic	59
4.2.5	LCR Model Residual Analysis Before Pandemic	62
4.2.6	LCR Model Regression Analysis During Pandemic.....	70
4.2.7	LCR Model Coefficient Analysis During Pandemic	76
4.2.8	LCR Model Residual Analysis During Pandemic	80
4.2.9	Revised LCR Model Regression Analysis Before Pandemic	87
4.2.10	Revised LCR Model Coefficient Analysis Before Pandemic	95
4.2.11	Revised LCR Model Residual Analysis Before Pandemic	98
4.2.12	Revised LCR Model Regression Analysis During Pandemic	106
4.2.13	Revised LCR Model Coefficient Analysis During Pandemic	113
4.2.14	Revised LCR Model Residual Analysis During Pandemic	116
4.2.15	LCR Model Comparison Analysis	122
4.2.16	LCR Model Overall Analysis and Discussion	130
4.3	NSFR Model Description and Analysis	140
4.3.1	NSFR Model Descriptive Analysis.....	140
4.3.2	NSFR Model Correlation Analysis	147
4.3.3	NSFR Model Regression Analysis Before Pandemic.....	159
4.3.4	NSFR Model Coefficient Analysis Before Pandemic	166

4.3.5	NSFR Model Residual Analysis Before Pandemic	167
4.3.6	NSFR Model Regression Analysis During Pandemic.....	176
4.3.7	NSFR Model Coefficient Analysis During Pandemic.....	182
4.3.8	NSFR Model Residual Analysis During Pandemic	184
4.3.9	Revised NSFR Model Regression Analysis Before Pandemic	191
4.3.10	Revised NSFR Model Coefficient Analysis Before Pandemic	198
4.3.11	Revised NSFR Model Residual Analysis Before Pandemic	200
4.3.12	Revised NSFR Model Regression Analysis During Pandemic	208
4.3.13	Revised NSFR Model Coefficient Analysis During Pandemic	214
4.3.14	Revised NSFR Model Residual Analysis During Pandemic	217
4.3.15	NSFR Model Comparison Analysis	224
4.3.16	NSFR Model Overall Analysis and Discussion	232
CHAPTER 5 CONCLUSION.....		242
5.1	Conclusion	242
5.2	Implication.....	243
5.3	Limitation	244
5.4	Suggestion	245
REFERENCES.....		247
APPENDICES		250

LIST OF TABLES

Table 4.1 List of Sample Banks	32
Table 4.2 Descriptive Statistics LCR model LCR variable	33
Table 4.3 Descriptive Statistics LCR model NPL variable	34
Table 4.4 Descriptive Statistics LCR model ROA variable	35
Table 4.5 Descriptive Statistics LCR model Total Asset variable	36
Table 4.6 Correlation output LCR model BBKA	38
Table 4.7 Correlation output LCR model BBNI	39
Table 4.8 Correlation output LCR model BBRI	40
Table 4.9 Correlation output LCR model BBTN	41
Table 4.10 Correlation output LCR model BDMN	42
Table 4.11 Correlation output LCR model BMRI	43
Table 4.12 Correlation output LCR model BNGA	44
Table 4.13 Correlation output LCR model BNII	45
Table 4.14 Correlation output LCR model BNLI	46
Table 4.15 Correlation output LCR model BTPN	47
Table 4.16 Correlation output LCR model MEGA	49
Table 4.17 Correlation output LCR model NISP	50
Table 4.18 Correlation output LCR model PNB	51
Table 4.6 System regression output LCR model before pandemic	52
Table 4.7 Continuation	53
Table 4.8 Continuation	54
Table 4.9 Wald's coefficient test LCR model before pandemic	59
Table 4.10 LCR model correlogram summary before COVID-19 pandemic	64
Table 4.11 System regression output LCR model during pandemic	70
Table 4.12 Continuation	71
Table 4.13 Continuation	72
Table 4.14 Wald's coefficient test LCR model during pandemic	76
Table 4.15 LCR model correlogram summary during pandemic	80
Table 4.16 System regression output revised LCR model before pandemic	88
Table 4.17 Continuation	89
Table 4.18 Continuation	90
Table 4.19 Wald's coefficient tests revised LCR model before pandemic	95
Table 4.20 Revised LCR model correlogram summary before Pandemic	99
Table 4.21 System regression output revised LCR model during pandemic	106
Table 4.22 Continuation	107
Table 4.23 Continuation	108
Table 4.24 Wald's coefficient tests revised LCR model during pandemic	113
Table 4.25 Revised LCR model correlogram summary before pandemic	117
Table 4.25 Revised LCR model optimum internal variable estimation	131
Table 4.25 Continuation	132
Table 4.25 Continuation	133
Table 4.26 Descriptive Statistics NSFR model NSFR variable	140
Table 4.27 Descriptive Statistics NSFR model ROA variable	141
Table 4.28 Descriptive Statistics NSFR model NPL variable	143

Table 4.29 Descriptive Statistics NSFR model Total Asset variable	145
Table 4.6 Correlation output NSFR model BBKA	147
Table 4.6 Correlation output NSFR model BBNI	148
Table 4.6 Correlation output NSFR model BBRI	149
Table 4.6 Correlation output NSFR model BBTN	150
Table 4.6 Correlation output NSFR model BDMN	151
Table 4.6 Correlation output NSFR model BMRI	151
Table 4.6 Correlation output NSFR model BNGA	152
Table 4.6 Correlation output NSFR model BNII	153
Table 4.6 Correlation output NSFR model BNLI	154
Table 4.6 Correlation output NSFR model BTPN	155
Table 4.6 Correlation output NSFR model MEGA	156
Table 4.6 Correlation output NSFR model NISP	157
Table 4.6 Correlation output NSFR model PNB	158
Table 4.30 System regression output NSFR model before pandemic	159
Table 4.31 Continuation	160
Table 4.32 Continuation	161
Table 4.33 Wald's coefficient test NSFR model before pandemic	166
Table 4.34 NSFR model correlogram summary before pandemic	169
Table 4.35 System regression output NSFR Model during pandemic	176
Table 4.36 Continuation	177
Table 4.37 Continuation	178
Table 4.38 Wald's coefficient test NSFR model during pandemic	182
Table 4.39 NSFR model correlogram summary during pandemic	185
Table 4.40 System regression output revised NSFR model before pandemic	192
Table 4.41 Continuation	193
Table 4.42 Continuation	194
Table 4.43 Wald's coefficient test NSFR model before pandemic	198
Table 4.44 Revised NSFR model correlogram summary before pandemic	202
Table 4.45 System regression output revised NSFR model before pandemic	208
Table 4.46 Continuation	209
Table 4.47 Continuation	210
Table 4.48 Wald's coefficient test NSFR model before pandemic	214
Table 4.49 Revised NSFR model correlogram summary during pandemic	218
Table 4.25 Revised NSFR model optimum internal variable estimation	233
Table 4.25 Continuation	234
Table 4.25 Continuation	235

LIST OF FIGURES

Figure 1.1. Indonesian Bank LCR from Q1 2017 to Q2 2023	6
Figure 1.2. Indonesian Bank NSFR from Q1 2017 to Q2 2023	7
Figure 3.1. Research Model.....	25
Figure 3.2. System equation LCR Model.....	29
Figure 3.3. System equation NSFR Model.....	29
Figure 4.1. LCR model residual plot before pandemic.....	62
Figure 4.2. LCR model residual plot during pandemic.....	80
Figure 4.3. Revised system equation LCR Model	87
Figure 4.4. Revised LCR model residual plot before Pandemic	98
Figure 4.5. Revised LCR model residual plot during pandemic.....	116
Figure 4.6. NSFR model residual plot before pandemic.....	168
Figure 4.7. NSFR model residual plot during pandemic.....	184
Figure 4.8. Revised system equation LCR Model	191
Figure 4.9. Revised NSFR model residual plot before pandemic	200
Figure 4.10. Revised NSFR model residual plot during pandemic.....	217

LIST OF APPENDICES

Appendix 1 Dataset LCR Model.....	250
Appendix 2 Dataset NSFR Model.....	264
Appendix 3 System regression output LCR model before pandemic	271
Appendix 4 Wald's coefficient test LCR model ROA before pandemic	274
Appendix 5 Wald's coefficient test LCR modal NPL before pandemic	274
Appendix 6 Wald's coefficient tests LCR model Total Asset before pandemic	275
Appendix 7 Wald's coefficient test LCR model M2 before pandemic.....	275
Appendix 8 Wald's coefficient tests LCR model Real GDP before pandemic	276
Appendix 9 System regression output LCR model during pandemic	276
Appendix 10 Wald's coefficient test LCR model ROA during pandemic	280
Appendix 11 Wald's coefficient test LCR model NPL during pandemic	280
Appendix 12 Wald's coefficient tests LCR model Total Asset during pandemic.....	281
Appendix 13Wald's coefficient tests LCR model M2 during pandemic	281
Appendix 14 Wald's coefficient tests LCR model Real GDP during pandemic	282
Appendix 15 System regression output revised LCR model before Pandemic.....	282
Appendix 16 Wald's coefficient tests revised LCR model ROA before pandemic ..	286
Appendix 17 Wald's coefficient tests revised LCR model NPL before pandemic ...	287
Appendix 18 Wald's coefficient tests revised LCR model Total Asset before pandemic	287
Appendix 19 Wald's coefficient tests revised LCR model M2 before pandemic	288
Appendix 20 Wald's coefficient tests revised LCR model Real GDP before pandemic	288
Appendix 21 Wald's coefficient tests revised LCR model Lag before pandemic	289
Appendix 22 System regression output revised LCR model during pandemic	289
Appendix 23 Wald's coefficient tests revised LCR model ROA during pandemic .	293
Appendix 24 Wald's coefficient tests revised LCR model NPL during pandemic ..	293
Appendix 25 Wald's coefficient tests revised LCR model Total Asset during pandemic.....	294
Appendix 26 Wald's coefficient tests revised LCR model M2 during pandemic	294
Appendix 27 Wald's coefficient tests revised LCR model Real GDP during pandemic	295
Appendix 28 Wald's coefficient tests revised LCR model Lag during pandemic ...	295
Appendix 29 System regression output NSFR model before pandemic	296
Appendix 30 Wald's coefficient test NSFR model ROA before pandemic.....	299
Appendix 31 Wald's coefficient test NSFR model NPL before pandemic.....	300
Appendix 32Wald's coefficient tests NSFR model Total Asset before pandemic	300
Appendix 33 Wald's coefficient test NSFR model M2 before pandemic.....	301
Appendix 34 Wald's coefficient tests NSFR model Real GDP before pandemic	301
Appendix 35 System regression output NSFR Model during pandemic.....	302
Appendix 36 Wald's coefficient test NSFR model ROA during pandemic	305
Appendix 37 Wald's coefficient test NSFR model NPL during pandemic	306
Appendix 38 Wald's coefficient tests NSFR model Total Asset during pandemic...	306
Appendix 39 Wald's coefficient test NSFR model M2 during pandemic	307
Appendix 40 Wald's coefficient tests NSFR model Real GDP during pandemic	307

Appendix 41 System regression output revised NSFR Model before pandemic	308
Appendix 42 Wald's coefficient tests revised NSFR model ROA before pandemic	311
Appendix 43 Wald's coefficient tests revised NSFR model NPL before pandemic .	312
Appendix 44 Wald's coefficient tests revised NSFR model Total Asset before pandemic.....	312
Appendix 45 Wald's coefficient tests revised NSFR model M2 before pandemic ...	313
Appendix 46 Wald's coefficient tests revised NSFR model Real GDP before pandemic.....	313
Appendix 47 Wald's coefficient tests revised NSFR model Lag before pandemic ..	314
Appendix 48 System regression output revised NSFR Model during pandemic.....	314
Appendix 49 Wald's coefficient tests revised NSFR model ROA during pandemic	318
Appendix 50 Wald's coefficient tests revised NSFR model NPL during pandemic	319
Appendix 51 Wald's coefficient tests revised NSFR model Total Asset during pandemic.....	319
Appendix 52 Wald's coefficient tests revised NSFR model M2 during pandemic ..	320
Appendix 53 Wald's coefficient tests revised NSFR model Real GDP during pandemic.....	320
Appendix 54 Wald's coefficient tests revised NSFR model Lag during pandemic .	321