

CHAPTER V

CONCLUSION

5.1. Conclusion

This study aims to examine the differences in Return on Assets (ROA) and Return on Equity (ROE) two years before and two years after implementation of digital finance in banking sector companies listed on the Indonesia Stock Exchange (IDX).

The samples used in this study were 35 banking companies with a research period of four years. The results of this study indicate that there are differences in Return on Assets (ROA) and Return on Equity (ROE) two years before and two years after implementation of digital finance in banking sector companies listed on the Indonesia Stock Exchange (IDX).

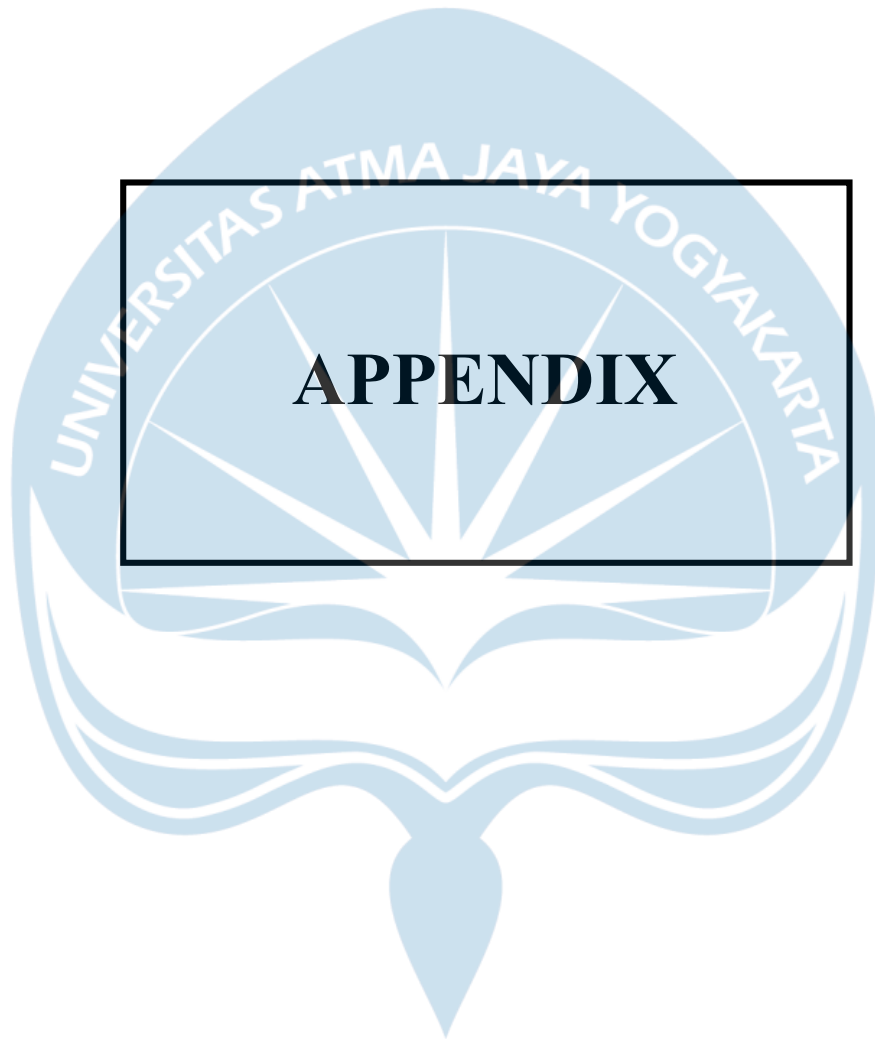
5.2. Limitation and Suggestion

The limitation of this study is that not all banking companies that provide digital finance services such as mobile banking report electronic transaction data, which caused limited research on digital finance in Indonesia. In this study use two years before implementation of mobile banking and two years after. For subsequent research, researchers suggest extending the research period so that the results are more accurate and more sample data will be available to measure the performance of banking companies.

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APPENDIX

APPENDIX 1
RESEARCH SAMPLE LIST

No.	Banking Company	Code	Digital Finance Implementation Years
1	Bank IBK Indonesia Tbk.	AGRS	2020
2	Bank MNC Internasional Tbk.	BABP	2021
3	Bank Capital Indonesia Tbk.	BACA	2019
4	Allo Bank Indonesia Tbk.	BBHI	2021
5	Bank KB Bukopin Tbk.	BBKP	2017
6	Bank Mestika Dharma Tbk.	BBMD	2019
7	Bank Negara Indonesia (Persero)	BBNI	2015
8	Bank Rakyat Indonesia (Persero)	BBRI	2013
9	Bank Tabungan Negara (Persero)	BBTN	2015
10	Bank Neo Commerce Tbk.	BBYB	2021
11	Bank JTrust Indonesia Tbk.	BCIC	2019
12	Bank Pembangunan Daerah Banten Tbk.	BEKS	2018
13	Bank Ganesha Tbk.	BGTG	2018
14	Bank Ina Perdana Tbk.	BINA	2020
15	Bank Pembangunan Daerah Jawa Barat Tbk.	BJBR	2020
16	Bank Pembangunan Daerah Jawa Timur Tbk.	BJTM	2016
17	Bank QNB Indonesia Tbk.	BKSW	2017
18	Bank Mandiri (Persero) Tbk.	BMRI	2012
19	Bank Bumi Arta Tbk.	BNBA	2020
20	Bank CIMB Niaga Tbk.	BNGA	2012
21	Bank Maybank Indonesia Tbk.	BNII	2015

22	Bank Sinarmas Tbk.	BSIM	2017
23	Bank BTPN Tbk.	BTPN	2015
24	Bank Victoria International Tbk.	BVIC	2016
25	Bank Oke Indonesia Tbk.	DNAR	2020
26	Bank Artha Graha Internasional Tbk.	INPC	2018
27	Bank Mayapada Internasional Tbk.	MAYA	2015
28	Bank China Construction Bank Indonesia Tbk.	MCOR	2016
29	Bank Mega Tbk.	MEGA	2012
30	Bank Nationalnobu Tbk.	NOBU	2015
31	Bank Woori Saudara Indonesia 1 Tbk.	SDRA	2017
32	Bank Amar Indonesia Tbk.	AMAR	2019
33	Bank Multiarta Sentosa Tbk.	MASB	2020
34	Bank Panin Dubai Syariah Tbk.	PNBS	2017
35	Bank Raya Indonesia Tbk.	AGRO	2016

APPENDIX 2
RESEARCH DATA SAMPLE

No.	Code	Sample		ROA		ROE	
		before	after	before	after	before	after
1	AGRS	2019	2021	0,00473	0,00550	0,06478	0,07909
2	AGRS	2018	2020	0,00522	0,00377	0,07528	0,05353
3	BABP	2020	2022	0,00089	0,00311	0,00671	0,01936
4	BABP	2019	2021	0,00193	0,00092	0,01310	0,00544
5	BACA	2018	2020	0,00591	0,00275	0,07270	0,03744
6	BACA	2017	2019	0,00527	0,00083	0,06116	0,01020
7	BBHI	2020	2022	0,01431	0,02442	0,10664	0,04212
8	BBHI	2019	2021	-0,01446	0,04140	-0,12193	0,14769
9	BBKP	2016	2018	0,00464	0,00199	0,06897	0,02210
10	BBKP	2015	2017	0,01022	0,00114	0,12797	0,01799
11	BBMD	2018	2020	0,02198	0,02302	0,08610	0,08129
12	BBMD	2017	2019	0,02236	0,01919	0,08572	0,07113
13	BBNI	2014	2016	0,02600	0,01892	0,17747	0,12784
14	BBNI	2013	2015	0,02343	0,01796	0,18996	0,11653
15	BBRI	2012	2014	0,03389	0,03024	0,28802	0,24815
16	BBRI	2011	2013	0,03211	0,03410	0,30284	0,26919
17	BBTN	2014	2016	0,00792	0,01223	0,09349	0,13690
18	BBTN	2013	2015	0,01191	0,01077	0,13517	0,13354
19	BBYB	2020	2022	0,00293	-0,04007	0,01416	-0,21072
20	BBYB	2019	2021	0,00312	-0,08699	0,01692	-0,34130
21	BCIC	2018	2020	-0,02250	-0,02989	-0,30504	-0,33566
22	BCIC	2017	2019	0,00708	0,00286	0,08036	0,02957
23	BEKS	2017	2019	-0,00996	-0,08563	-0,09676	-1,26180
24	BEKS	2016	2018	-0,07715	-0,01056	-0,46858	-0,14441
25	BGTG	2017	2019	0,01116	0,00246	0,04573	0,01039
26	BGTG	2016	2018	0,00925	0,00125	0,03670	0,00497
27	BINA	2019	2021	0,00142	0,00264	0,00568	0,01675
28	BINA	2018	2020	0,00175	0,00230	0,00533	0,01592
29	BJBR	2019	2021	0,01266	0,01275	0,12991	0,15428
30	BJBR	2018	2020	0,01292	0,01199	0,13756	0,14076
31	BJTM	2016	2018	0,02389	0,02010	0,14262	0,14876
32	BJTM	2015	2017	0,02066	0,02250	0,14050	0,14833

33	BKSW	2016	2018	-0,02668	0,00071	-0,18699	0,00312
34	BKSW	2015	2017	0,00606	-0,03206	0,06437	-0,19793
35	BMRI	2011	2013	0,02300	0,02569	0,20263	0,21207
36	BMRI	2010	2012	0,02083	0,02524	0,22271	0,20963
37	BNBA	2019	2021	0,00673	0,00513	0,03358	0,01990
38	BNBA	2018	2020	0,01273	0,00459	0,06215	0,02322
39	BNGA	2011	2013	0,01905	0,01963	0,17295	0,16596
40	BNGA	2010	2012	0,01784	0,02153	0,18515	0,18762
41	BNII	2014	2016	0,00504	0,01180	0,04982	0,10208
42	BNII	2013	2015	0,01117	0,00726	0,12655	0,07264
43	BSIM	2016	2018	0,01188	0,00164	0,08282	0,01039
44	BSIM	2015	2017	0,00664	0,01049	0,05046	0,06584
45	BTPN	2014	2016	0,02512	0,02053	0,15805	0,11499
46	BTPN	2013	2015	0,03059	0,02163	0,21509	0,12587
47	BVIC	2015	2017	0,00405	0,00472	0,04451	0,04781
48	BVIC	2014	2016	0,00495	0,00386	0,06006	0,03821
49	DNAR	2019	2021	0,00331	0,00226	0,00837	0,00574
50	DNAR	2018	2020	0,00574	0,00125	0,01636	0,00312
51	INPC	2017	2019	0,00246	-0,00229	0,01511	-0,01286
52	INPC	2016	2018	0,00278	0,00206	0,01646	0,01169
53	MAYA	2014	2016	0,01186	0,01348	0,15436	0,11628
54	MAYA	2013	2015	0,01605	0,01379	0,15974	0,14221
55	MCOR	2015	2017	0,00668	0,00316	0,04766	0,02042
56	MCOR	2014	2016	0,00541	0,00181	0,04332	0,00926
57	MEGA	2011	2013	0,01734	0,00789	0,22011	0,08577
58	MEGA	2010	2012	0,01845	0,02112	0,21799	0,21993
59	NOBU	2014	2016	0,00274	0,00337	0,01338	0,02276
60	NOBU	2013	2015	0,00376	0,00272	0,01429	0,01530
61	SDRA	2016	2018	0,01369	0,01816	0,07022	0,08213
62	SDRA	2015	2017	0,01325	0,01620	0,06413	0,07184
63	AMAR	2018	2020	0,00877	0,00212	0,03353	0,00805
64	AMAR	2017	2019	0,00441	0,01779	0,00780	0,05696
65	MASB	2019	2021	0,00885	0,00919	0,07663	0,07891
66	MASB	2018	2020	0,01285	0,00502	0,09308	0,05725
67	PNBS	2016	2018	0,01264	0,01538	0,07363	0,07822
68	PNBS	2015	2017	0,00856	0,00941	0,05089	0,05535
69	AGRO	2015	2017	0,00962	0,00861	0,05952	0,04516
70	AGRO	2014	2016	0,00930	0,00905	0,06640	0,05320

APPENDIX 3

RESULT OF PROCESSING DATA IN SPSS

Descriptive Statistic Test

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
ROA_Before	70	-,07715	,03389	,0084716	,01486245
ROA_After	70	-,08699	,04140	,0058844	,02068276
ROE_Before	70	-,46858	,30284	,0683733	,11588659
ROE_After	70	-1,26180	,26919	,0346211	,19088453
Valid N (listwise)	70				

Normality Test

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
ROA_Before	,234	70	,000	,750	70	,000
ROA_After	,301	70	,000	,714	70	,000
ROE_Before	,222	70	,000	,839	70	,000
ROE_After	,334	70	,000	,558	70	,000

a. Lilliefors Significance Correction

Paired Sample Non-Parametric Test

Ranks

		N	Mean Rank	Sum of Ranks
ROA_After - ROA_Before	Negative Ranks	41 ^a	39,38	1614,50
	Positive Ranks	29 ^b	30,02	870,50
	Ties	0 ^c		

	Total	70		
ROE_After - ROE_Before	Negative Ranks	44 ^d	41,32	1818,00
	Positive Ranks	26 ^e	25,65	667,00
	Ties	0 ^f		
	Total	70		

a. ROA_After < ROA_Before

b. ROA_After > ROA_Before

c. ROA_After = ROA_Before

d. ROE_After < ROE_Before

e. ROE_After > ROE_Before

f. ROE_After = ROE_Before

Test Statistics^a

	ROA_After - ROA_Before	ROE After - ROE Before
Z	-2,177 ^b	-3,368 ^b
Asymp. Sig. (2-tailed)	,029	,001

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.