International Journal of Academic Research in Business and Social Sciences
July 2014, Vol. 4, No. 7
ISSN: 2222-6990

Mapping of Efficiency and Profitability in Islamic Rural Bank in Indonesia

Muhamad Nadratuzzaman Hosen and Titi Dewi Warninda
State Islamic University of Syarif Hidayatullah, Jakarta
Email: mnhosen@gmail.com, warninda@yahoo.com

DOI: 10.6007/IJARBSS/v4-i7/995 URL: http://dx.doi.org/10.6007/IJARBSS/v4-i7/995

Abstract

Currently, many Islamic Rural Banks (BPRS) are operating in the areas of Regency, where level of competitive among Islamic Rural Banks is also increasing dramatically. These require Islamic Rural Banks (BPRS) to manage funds efficiently in ways optimal profitability. This study tried to analyze the matrix of efficiency and profitability on Islamic Rural Banks (BPRS) in Indonesia, and also to analyze the factors that affect the efficiency of the Islamic Rural Banks (BPRS).The matrix of efficiency and profitability is computed through three models, namely the model of CRS, VRS and scale models. Results of the study show that the matrix of efficiency and profitability in all three models are a model of efficiency levels CRS, VRS, and scale in 2012 and 2011 which is showed that the results are not much different. The number of Islamic Rural Banks (BPRS) is the most in a group of *dog*, namely, Islamic Rural Banks (BPRS) with a high level of efficiency but low levels of profitability.

Keywords: Efficiency, Profitability, Islamic Rural Bank.

INTRODUCTION

Background

Bank as a business entity certainly have purpose to get profit for all parties (*profit oriented*). Profits that generated in the banks not only an attraction for people to invest their funds in the bank but also that profits indicated that banks are in good shape, including the characteristics of soundness of banks.

To assess whether a banks including a bank category of soundness or not, it will be seen from its operational performance. Performance can be measured by looking at the efficiency of the bank's fund management. For it with the more efficient a bank then it will indicate the level of bank soundness.

Muliaman (2003) suggested that efficiency is one of the performance parameters which theoretically are one of the underlying entirely performance of an organization. Ability to

produce maximum output with aught input is a measurement of expected performance. At the time that efficiency measurements performed, banks are faced with the conditions of how to obtain the optimal level of output with the aught input level, or get the minimum input level to the level of output.

In addition, the level of profitability of banks also indicated the bank's performance. The higher level of profitability, the bank has a good performance and indicated including soundness of banks.

Islamic banks are currently being discussed, constantly increasing both in an increasing number of Islamic banks and Islamic banks assets level which continues to grow. Until the first quarter of 2013 Islamic banking has assets of roughly Rp 200 billion, or 4.5 percent of the total national banking assets *(market share).*

In studies that have been done, has been much research on the performance of Islamic banks, especially Islamic Commercial Banks (BUS) and Islamic Business Unit Condensed (UUS) thoroughly. However, it is still rare that examine the performance of Islamic Rural Banks (BPRS) thoroughly.

Therefore, in this study, it will be analyzed at the level of efficiency and profitability of Islamic Rural Banks (BPRS) and to simulate matrix of combination between efficiency and profitability levels.

Problem Formulation

To avoid misunderstanding of the problem to be written and focus the issues to be studied in order to obtain optimal results, it is necessary to provide a formulation of the problem of the object under study. The formulation as follows:

1. Which Sharia Rural Banks (BPRS) that includes a group with low productivity levels and includes a groups with high productivity levels in 2011 and 2012.
2. Which Sharia Rural Banks (BPRS) that includes a group with a low level of efficiency and includes a group with high efficiency in 2011 and 2012 based on the model of CRS.
3. How efficiency-profitability matrix analysis in 2011 and 2012 based on the model of CRS.
4. Which Sharia Rural Banks (BPRS) that includes a group with a low level of efficiency and includes a group with high efficiency in 2011 and 2012 based on the model of VRS.
5. How efficiency-profitability matrix analysis in 2011 and 2012 based on the model of VRS.
6. Which Sharia Rural Banks (BPRS) that includes a group with a low level of efficiency and includes a group with high efficiency in 2011 and 2012 based on Scale model.
7. How efficiency-profitability matrix analysis in 2011 and 2012 based on Scale model.
8. What factors that affect the level of efficiency of Sharia Rural Banks (BPRS) based model of VRS in 2012.

Research Objectives

1. Knowing Sharia Rural Banks (BPRS) that belonging to group with the low productivity levels and group with high productivity levels in 2011 and 2012.
2. Knowing the level of efficiency of Sharia Rural Banks (BPRS) based on CRS models, VRS models and scale models in 2011 and 2012.
3. Analyzing the efficiency-profitability matrix in 2011 and 2012 based on CRS models, VRS models and scale models.
4. Analyzing the factors that influence the level of efficiency of Sharia Rural Banks (BPRS) based on VRS models in 2012.

THEORY AND HYPOTHESES

Basis of Theory

1. Profitability

   Profitability by Sastradipoera (2001) is the amount remaining after fixed costs and variable costs are deducted from the proceeds of a bank or excess income*(income)* over expenditure *(expenditure)* bank. While Hadad et al (2003: 1) defines profitability as the basis of the relationship between operational efficiency with quality of services produced by a bank.

   According to Ghazali (2010: 23) profitability ratios measure the effectiveness of management based on returns generated from loans and investments. Indicators used to measure the performance of bank profitability is ROE *(Return on Equity)* is the ratio that describes the amount of the return on total capital to generate profits, ROA *(Return on Assets)* is the ratio shows that the overall ability of existing assets and used to produce advantage.

2. Efficiency

   Efficiency is one of the performance parameters which theoretically is one of the underlying performance of the entire performance of an organization. The ability to produce a maximum output with current input is a measure of the expected performance (Edy, 2009).

   Ibn (2004) stated that the efficiency can be evaluated from two aspects. *Firstly,* in terms of results *(output)* is the desired minimum outcome pre-determined. Then also set the maximum sacrifice. This is the normal sacrifice limit. If sacrifice less than specified, it includes efficient. *Secondly,* in terms of sacrifice *(input)* is to sacrifice *(input)* the existing or set, the minimum result should be achievable. If the results achieved under the minimum outcomes, so it works in-efficiently.

The efficiency of the bank is one of the important indicators to analyze *the performance* of a bank and also as a means to further enhance the effectiveness of monetary policy. Efficiency can be viewed from two sides, i.e. in terms of cost *(cost efficiency)* and profit *(profit efficiency). Profit efficiency* itself is divided into 2 parts that are *Standard Alternative profit efficiency* and *profit efficiency* (Suswadi, 2007).

Measuring the level of efficiency using a model *CRS (Constant Returns to Scale)* is a measurement of *overall technical efficiency.* The *CRS* model assumes *constant returns to scale* and *the optimal scale operations.* This model is a weighted ratio of output to input. This would indicate that the more output is generated by a particular input, the more efficient a *DMU. CRS* model to measure the overall technical efficiency *(overall technical efficiency)* of a *DMU.* The overall technical efficiency is a combination of technical efficiency and scale efficiency.

Measuring the level of efficiency using a model VRS (Variable Returns to Scale) is a measure pure technical efficiency. Models VRS or models BCC (Banker, Charnes, and Cooper) made by Banker, Charnes, and Cooper in 1984 and is an improved model of CRS by adding the assumption Variable Returns to Scale. *VRS* model provides a measurement of *pure technical efficiency,* i.e. technical efficiency *(technical efficiency)* without scale efficiency *(scale efficiency).*

The measurement of the level of efficiency with scale models can be calculated using the ratio between the *overall technical efficiency* and *pure technical efficiency.* Namely the ratio between technical efficiency *CRS (Constant Returns to Scale)* with technical efficiency *VRS (Variable Returns to Scale).*

Research Hypothesis

Hypothesis is used to analyze the determination of efficiency level of Sharia Rural Banks (BPRS). The goal is to determine the significance of the factors which most influence on the efficiency of the Sharia Rural Banks (BPRS), the hypotheses as follow:

H_o = There is no influence of independent variables on the level of efficiency in the Sharia Rural Banks (BPRS).

H_a = There is influence of independent variables on the level of efficiency in the Sharia Rural Banks (BPRS).

RESEARCH METHOD

Sources and Data Collection Technique

Sampling technique in this study is *purposive sampling* with criteria of Islamic Rural Banks (BPRS) that monthly financial reports are available in full during the period January 2011

to December 2012. Based on these criteria, then the samples in this study are 107 numbers of Sharia Rural Banks (BPRS).

Methods of Data Analysis

This study measures the level of profitability and efficiency on Sharia Rural Banks (BPRS). The level of efficiency is calculated using the three models, namely the model of CRS (*Constant Returns to Scale*), the model of VRS (*Variable Returns to Scale*), and a Scale Model.

1. The Level of Profitability
   Sharia Rural Banks (BPRS) are grouped according to the two groups of profitability namely Sharia Rural Banks (BPRS) with high level of profitability and Sharia Rural Banks (BPRS) with low level of profitability (ROA).

2. The efficiency level of Sharia Rural Banks (BPRS) by Model CRS
   Measuring the level of efficiency using a model *CRS (Constant Returns to Scale)* is a measure of *overall technical efficiency.* The *CRS* model assumes *constant returns to scale* and *the optimal scale operations.* This model is a weighted ratio of output to input. This would indicate that the more output is generated by a particular input, the more efficient a *DMU.CRS* model to measure the overall technical efficiency *(overall technical efficiency)* of a *DMU.* The overall technical efficiency is a combination of technical efficiency and scale efficiency.

   Sharia Rural Banks (BPRS) also grouped into two types based on the level of efficiency that is obtained namely the Sharia Rural Banks (BPRS) with a high degree of efficiency and the Sharia Rural Banks (BPRS) with a low level of efficiency.

3. The efficiency level of Sharia Rural Banks (BPRS) by Model VRS
   Measuring the level of efficiency using a model VRS (Variable Returns to Scale) is a measurement of pure technical efficiency. Models VRS or models BCC (Banker, Charnes, and Cooper) made by Banker, Charnes, and Cooper in 1984 and is an improved model of CRS by adding the assumption Variable Returns to Scale. *VRS* model provides a measurement of *pure technical efficiency,* i.e. technical efficiency *(technical efficiency)* without scale efficiency *(scale efficiency).*

   In VRS models, Sharia Rural Banks (BPRS) also grouped into two types based on the level of efficiency that is obtained, namely, Sharia Rural Banks (BPRS) with high levels of efficiency and Sharia Rural Banks (BPRS) with low levels of efficiency.

International Journal of Academic Research in Business and Social Sciences
July 2014, Vol. 4, No. 7
ISSN: 2222-6990

4. The efficiency level of Sharia Rural Banks (BPRS) by Scale Model
   Scale models calculated using the ratio between the *overall technical efficiency* and *pure technical efficiency.* Namely, the ratio between technical efficiency *CRS (Constant Returns to Scale)* with technical efficiency *VRS (Variable Returns to Scale).* In scale models, Sharia Rural Banks (BPRS) also grouped into two types based on the level of efficiency that is obtained namely Sharia Rural Banks (BPRS) with high levels of efficiency and Sharia Rural Banks (BPRS) with low levels of efficiency.

RESULTS AND DISCUSSION

Analysis of Profitability of **Sharia Rural Banks (BPRS)**

Sharia Rural Banks (BPRS) are grouped according to the two groups with a level of profitability namely Sharia Rural Banks (BPRS) with high level of profitability and Sharia Rural Banks (BPRS) with low level of profitability *(ROA)*. Criteria for high or low level of profitability is based on the median or midpoint of the data overall profitability of Sharia Rural Banks (BPRS), as a reference in the study of Abu-Alkheil, Burghof, and Khan (2012). Sharia Rural Banks (BPRS) have a higher level of profitability or equal to the median is Sharia Rural Banks (BPRS) with a high level of profitability. While Sharia Rural Banks (BPRS) with the level of profitability is lower than the median BPRS is a low level of profitability.

Table 1. BPRS with a High Level of Profitability

Year of 2012			Year of 2011		
No.	**Name of BPRS**	**Profitability (%)**	**No.**	**Name of BPRS**	**Profitability (%)**
1	Cilegon Mandiri	7.68	1	Gowata	10.0
2	Way Kanan	7.44	2	Sindanglaya Katonapan	10.0
3	Mentari	6.24	3	Bumi Rinjani Kepanjen	6.50
4	Madinah	5.66	4	Mentari	6.40
5	Baiturridha Pusaka	5.61	5	Dana Moneter	6.40
6	Artha Pamenang	5.52	6	Artha Fisabilillah	5.50
7	Artha Fisabilillah	5.50	7	Jabal Tsur	5.40
8	Patuh Beramal	5.45	8	Al-Yaqin	5.30
9	Bumi Rinjani Kepanjen	4.81	9	Al Ma'soem Syari'ah	5.10
10	Artha Surya Barokah	4.77	10	Bhakti Sumekar	4.90

11	Artha Madani	4.67	11	Jabal Nur	4.80
12	Cempaka Al Amin	4.60	12	Rahmah Hijrah Agung	4.80
13	Tanmiya Artha	4.48	13	Baktimakmur Indah	4.50
14	Bhakti Sumekar	4.28	14	Baiturridha Pusaka	4.40
15	Al Mabrur Babadan	4.16	15	Al Mabrur Babadan	4.40
16	Mandiri Mitra	3.90	16	Metro Madani	4.40
17	Bangka	3.82	17	Patuh Beramal	4.30
18	Artha Mas Abadi	3.81	18	Artha Madani	4.20
19	Al-Yaqin	3.74	19	Artha Pamenang	4.20
20	Barkah Gemadana	3.64	20	Artha Mas Abadi	4.00
21	Jabal Tsur	3.62	21	Artha Surya Barokah	4.00
22	Metro Madani	3.55	22	Situbondo	4.00
23	Rajasa	3.54	23	Hasanah	4.00
24	Sukowati Sragen	3.45	24	Safir	3.90
25	Bumi Rinjani	3.31	25	Bumi Rinjani	3.70
26	Investama Mega Bakti	3.28	26	Amanah Sejahtera	3.70
27	Surya Sejati	3.26	27	Bangka	3.70
28	Muamalat Harkat	3.24	28	Rajasa	3.70
29	Jabal Nur	3.24	29	Mitra Cahaya Indonesia	3.60
30	Bangun Drajat Warga	3.23	30	Bangun Drajat Warga	3.60
31	Dinar Ashri	3.23	31	Kotabumi	3.40
32	Harta Insan Karimah Cibitung	3.11	32	Bumi Artha Sampang	3.30
33	Bumi Rinjani Malang	3.05	33	Attaqwa Garuda Utama	3.20

34	Daya Artha Mentari	3.05	34	Muamalat Harkat	3.20
35	Amanah Sejahtera	2.99	35	Dinar Ashri	3.20
36	Harta Insan Karimah	2.96	36	Cilegon Mandiri	3.10
37	Safir	2.92	37	Harta Insan Karimah	3.10
38	Lantabur	2.92	38	Bina Amanah Satria	3.10
39	Mulia Berkah Abadi	2.80	39	Niaga Madani	3.00
40	Bhakti Haji	2.80	40	Madinah	2.90
41	Bina Amanah Satria	2.76	41	Sukowati Sragen	2.80
42	Mitra Cahaya Indonesia	2.62	42	Cempaka Al Amin	2.70
43	Artha Amanah Ummat	2.60	43	Kota Bekasi	2.70
44	Hikmah Wakilah	2.60	44	Annisa Mukti	2.70
45	Al Mabrur	2.57	45	Bumi Rinjani Batu	2.70
46	Bumi Rinjani Batu	2.56	46	Al Barokah	2.60
47	Amanah Rabbaniah	2.48	47	Ikhsanul Amal	2.60
			48	Daya Artha Mentari	2.60
			49	Surya Sejati	2.60
			50	Berkah Ramadhan	2.50
			51	Madina Mandiri Sejahtera	2.50
			52	Mandiri Mitra	2.50
			53	Barkah Gemadana	2.50
			54	Ampek Angkek Candung	2.50
			55	Mentari Pasaman Saiyo	2.50

Sources: Secondary data were processed

Table 2. BPRS with a Low Level of Profitability

Year of 2012			Year of 2011		
No.	**Name of BPRS**	**Profitability (%)**	**No.**	**Name of BPRS**	**Profitability (%)**
1	Amanah Insani	2.44	1	Syariat Fajar Sejahtera Bali	2.40
2	Bina Rahmah	2.43	2	Amanah Ummah	2.40
3	Harta Insan Karimah Parahyangan	2.41	3	Suriyah	2.40
4	Baktimakmur Indah	2.40	4	Indo Timur	2.40
5	Kotabumi	2.40	5	Buana Mitra Perwira	2.30
6	Indo Timur	2.39	6	Lantabur	2.30
7	Buana Mitra Perwira	2.38	7	Bandar Lampung	2.30
8	Karya Mugi Sentosa	2.35	8	Haji Miskin	2.30
9	Artha Sinar Mentari	2.29	9	Al Washliyah	2.30
10	Bumi Artha Sampang	2.23	10	Harta Insan Karimah Bekasi	2.20
11	Haji Miskin	2.15	11	Bhakti Haji	2.20
12	Margirizki Bahagia	2.14	12	Margirizki Bahagia	2.10
13	Al Ma'soem Syari'ah	2.13	13	Bina Rahmah	2.10
14	Amanah Ummah	2.13	14	Berkah Dana Fadhilah	2.10
15	Bandar Lampung	2.07	15	Barokah Dana Sejahtera	2.00
16	Suriyah	2.05	16	Amanah Rabbaniah	2.00
17	Ampek Angkek Candung	2.04	17	Al Ihsan	2.00
18	Al Ihsan	2.00	18	Arta Leksana	2.00
19	Gunung Slamet	1.99	19	Hikmah Wakilah	2.00
20	Al Hidayah	1.98	20	Artha Amanah Ummat	1.90

21	PT BPRS Gajah Tongga Kota Piliang	1.97	21	Mitra Amal Mulia	1.80
22	Harta Insan Karimah Bekasi	1.96	22	Puduarta Insani	1.70
23	Berkah Ramadhan	1.89	23	Dana Hidayatullah	1.50
24	Mitra Amal Mulia	1.86	24	Amanah Insani	1.50
25	Arta Leksana	1.80	25	Gunung Slamet	1.50
26	Asad Alif	1.77	26	Investama Mega Bakti	1.50
27	PNM Binama	1.76	27	Khasanah Ummat	1.40
28	Dana Hidayatullah	1.70	28	Tanmiya Artha	1.40
29	Al Salaam Amal Salman	1.68	29	Hareukat	1.40
30	Tanggamus	1.68	30	Hidayah	1.30
31	Puduarta Insani	1.67	31	Al Salaam Amal Salman	1.30
32	Ikhsanul Amal	1.57	32	Asad Alif	1.30
33	Hareukat	1.44	33	Ben Salamah Abadi	1.30
34	Adeco	1.36	34	Artha Sinar Mentari	1.30
35	Danagung Syariah	1.25	35	FORMES	1.20
36	Khasanah Ummat	1.21	36	Renggali	1.20
37	Barokah Dana Sejahtera	1.10	37	Barakah Nawaitul Ikhlas	1.20
38	Insan Madani	1.02	38	Bumi Rinjani Probolinggo	1.00
39	FORMES	0.80	39	Karya Mugi Sentosa	1.00
40	Barakah Nawaitul Ikhlas	0.63	40	Danagung Syariah	0.90
41	Al Hijrah Amanah	0.61	41	Baiturrahman	0.90
42	Baitul Muawanah	0.51	42	Insan Cita Artha Jaya	0.80

43	Situbondo	0.49	43	Al Mabrur	0.70
44	Bumi Rinjani Probolinggo	0.45	44	Tanggamus	0.70
45	Carana Kiat Andalas	0.18	45	PT BPRS Gajah Tongga Kota Piliang	0.60
46	Dana Mulia	0.10	46	Gebu Prima	0.60
			47	Al Hijrah Amanah	0.50
			48	Wakalumi	0.40
			49	PNM Binama	0.40
			50	Sarana Prima Mandiri	0.40
			51	Harta Insan Karimah Parahyangan	0.30
			52	Al Hidayah	0.10

Sources: Secondary data were processed

Analysis of Efficiency Level at Sharia Rural Banks (BPRS) Based on CRS Model

Sharia Rural Banks (BPRS) also grouped into two types based on the level of efficiency that is obtained namely Sharia Rural Banks (BPRS) with high levels of efficiency and Sharia Rural Banks (BPRS) with low levels of efficiency.

Criteria for high or low level of efficiency is based on the median or midpoint of the data overall efficiency of Sharia Rural Banks (BPRS), as a reference in the study of Abu-Alkheil, Burghof, and Khan (2012). Sharia Rural Banks (BPRS) have a higher level of efficiency or equal to the median is Sharia Rural Banks (BPRS) with a high level of efficiency. While Sharia Rural Banks (BPRS) with the level of efficiency is lower than the median BPRS is a low level of efficiency.

Table 3. BPRS with a High Level of Efficiency at CRS Model

Year of 2012			Year of 2011		
No.	**Name of BPRS**	**Efficiency**	**No.**	**Name of BPRS**	**Efficiency**
1	Al Ihsan	1	1	Wakalumi	1
2	Dana Mulia	1	2	Al Ihsan	1
3	Situbondo	1	3	Sarana Prima Mandiri	1

4	Indo Timur	1	4	Al Hidayah	1
5	Carana Kiat Andalas	1	5	Karya Mugi Sentosa	1
6	Bumi Rinjani Probolinggo	0.96	6	Indo Timur	1
7	Baitul Muawanah	0.93	7	Gebu Prima	1
8	FORMES	0.92	8	PT BPRS Gajah Tongga Kota Piliang	0.991
9	Dana Hidayatullah	0.85	9	Insan Cita Artha Jaya	0.978
10	Danagung Syariah	0.85	10	Bumi Rinjani Probolinggo	0.969
11	Barokah Dana Sejahtera	0.84	11	PNM Binama	0.950
12	Hareukat	0.80	12	Al Hijrah Amanah	0.910
13	Insan Madani	0.79	13	Barakah Nawaitul Ikhlas	0.879
14	Surya Sejati	0.79	14	Danagung Syariah	0.836
15	Ikhsanul Amal	0.76	15	Baiturrahman	0.824
16	Berkah Ramadhan	0.73	16	Renggali	0.822
17	PT BPRS Gajah Tongga Kota Piliang	0.71	17	Tanmiya Artha	0.802
18	Barakah Nawaitul Ikhlas	0.71	18	Al Mabrur	0.768
19	Margirizki Bahagia	0.69	19	Hareukat	0.762
20	Al Hijrah Amanah	0.69	20	Asad Alif	0.727
21	Amanah Ummah	0.67	21	Al Salaam Amal Salman	0.718
22	Al Salaam Amal Salman	0.66	22	Bhakti Haji	0.700
23	Bhakti Haji	0.65	23	Surya Sejati	0.690
24	Asad Alif	0.64	24	Dana Hidayatullah	0.682
25	Khasanah Ummat	0.64	25	Amanah Rabbaniah	0.662
26	Buana Mitra Perwira	0.62	26	Berkah Ramadhan	0.639
27	Bumi Artha Sampang	0.62	27	FORMES	0.638

28	PNM Binama	0.62	28	Situbondo	0.638
29	Mitra Cahaya Indonesia	0.61	29	Berkah Dana Fadhilah	0.632
30	Amanah Rabbaniah	0.61	30	Amanah Insani	0.625
31	Mitra Amal Mulia	0.60	31	Ben Salamah Abadi	0.625
32	Arta Leksana	0.60	32	Rahmah Hijrah Agung	0.604
33	Hikmah Wakilah	0.59	33	Attaqwa Garuda Utama	0.601
34	Gunung Slamet	0.58	34	Mentari Pasaman Saiyo	0.597
35	Adeco	0.57	35	Artha Amanah Ummat	0.596
36	Al Ma'soem Syari'ah	0.57	36	Barkah Gemadana	0.595
37	Tanmiya Artha	0.56	37	Hikmah Wakilah	0.595
38	Lantabur	0.54	38	Madinah	0.586
39	Artha Amanah Ummat	0.53	39	Amanah Ummah	0.585
40	Amanah Insani	0.53	40	Syariat Fajar Sejahtera Bali	0.583
41	Al Mabrur	0.52	41	Al-Yaqin	0.58
42	Tanggamus	0.52	42	Khasanah Ummat	0.574
43	Jabal Tsur	0.51	43	Buana Mitra Perwira	0.574
44	Bumi Rinjani Malang	0.50	44	Lantabur	0.574
45	Karya Mugi Sentosa	0.50	45	Puduarta Insani	0.571
46	Artha Mas Abadi	0.50	46	Gowata	0.564
47	Amanah Sejahtera	0.49	47	Margirizki Bahagia	0.560
48	Al-Yaqin	0.49	48	Gunung Slamet	0.545
			49	Mitra Amal Mulia	0.542
			50	Ikhsanul Amal	0.526
			51	Al Washliyah	0.520
			52	Al Barokah	0.513

			53	Bumi Artha Sampang	0.511
			54	Madina Mandiri Sejahtera	0.501

Sources: Secondary data was processed, Central Bank of Indonesia

Table 4. BPRS with a Low Level of Efficiency at CRS Model

Year of 2012			Year of 2011		
No.	**Name of BPRS**	**Efficiency**	**No.**	**Name of BPRS**	**Efficiency**
1	Bangun Drajat Warga	0.47	1	Barokah Dana Sejahtera	0.494
2	Bangka	0.47	2	Bina Rahmah	0.480
3	Barkah Gemadana	0.46	3	Bangka	0.478
4	Madinah	0.46	4	Mitra Cahaya Indonesia	0.473
5	Bina Rahmah	0.46	5	Cempaka Al Amin	0.466
6	Suriyah	0.45	6	Hasanah	0.458
7	Bumi Rinjani	0.45	7	Jabal Tsur	0.456
8	Al Hidayah	0.43	8	Artha Fisabilillah	0.452
9	Harta Insan Karimah	0.43	9	Bumi Rinjani	0.452
10	Muamalat Harkat	0.43	10	Dana Moneter	0.447
11	Bina Amanah Satria	0.42	11	Arta Leksana	0.445
12	Puduarta Insani	0.42	12	Muamalat Harkat	0.443
13	Bumi Rinjani Kepanjen	0.41	13	Artha Sinar Mentari	0.426
14	Ampek Angkek Candung	0.41	14	Daya Artha Mentari	0.424
15	Dinar Ashri	0.40	15	Artha Pamenang	0.423
16	Mulia Berkah Abadi	0.40	16	Harta Insan Karimah	0.420
17	Baktimakmur Indah	0.40	17	Suriyah	0.420
18	Cempaka Al Amin	0.38	18	Annisa Mukti	0.420
19	Metro Madani	0.38	19	Bumi Rinjani Kepanjen	0.418

20	Harta Insan Karimah Bekasi	0.38	20	Bangun Drajat Warga	0.412
21	Rajasa	0.38	21	Artha Mas Abadi	0.408
22	Daya Artha Mentari	0.37	22	Amanah Sejahtera	0.405
23	Bandar Lampung	0.37	23	Bumi Rinjani Batu	0.402
24	Artha Pamenang	0.37	24	Tanggamus	0.402
25	Artha Surya Barokah	0.36	25	Ampek Angkek Candung	0.401
26	Safir	0.36	26	Artha Madani	0.399
27	Bumi Rinjani Batu	0.36	27	Bina Amanah Satria	0.389
28	Jabal Nur	0.36	28	Mandiri Mitra	0.387
29	Mandiri Mitra	0.34	29	Jabal Nur	0.380
30	Sukowati Sragen	0.33	30	Hidayah	0.379
31	Haji Miskin	0.31	31	Metro Madani	0.370
32	Mentari	0.31	32	Kota Bekasi	0.364
33	Artha Madani	0.30	33	Artha Surya Barokah	0.362
34	Al Mabrur Babadan	0.30	34	Bandar Lampung	0.362
35	Patuh Beramal	0.29	35	Al Mabrur Babadan	0.360
36	Artha Fisabilillah	0.27	36	Rajasa	0.360
37	Way Kanan	0.27	37	Dinar Ashri	0.355
38	Artha Sinar Mentari	0.26	38	Harta Insan Karimah Parahyangan	0.354
39	Kotabumi	0.26	39	Baktimakmur Indah	0.350
40	Cilegon Mandiri	0.25	40	Niaga Madani	0.344
41	Harta Insan Karimah Parahyangan	0.24	41	Haji Miskin	0.332
42	Baiturridha Pusaka	0.22	42	Harta Insan Karimah Bekasi	0.330

43	Harta Insan Karimah Cibitung	0.22	43	Sukowati Sragen	0.323
44	Investama Mega Bakti	0.18	44	Kotabumi	0.310
45	Bhakti Sumekar	0.15	45	Cilegon Mandiri	0.307
			46	Al Ma'soem Syari'ah	0.300
			47	Safir	0.288
			48	Sindanglaya Katonapan	0.278
			49	Patuh Beramal	0.253
			50	Mentari	0.240
			51	Baiturridha Pusaka	0.231
			52	Investama Mega Bakti	0.225
			53	Bhakti Sumekar	0.118

Sources: Secondary data was processed, Central Bank of Indonesia

Analysis of Efficiency Level at Sharia Rural Banks (BPRS) Based on VRS Model

In VRS model, Sharia Rural Banks (BPRS) also grouped into two types based on the level of efficiency that is obtained namely Sharia Rural Banks (BPRS) with high levels of efficiency and Sharia Rural Banks (BPRS) with low levels of efficiency.

Criteria for high or low level of efficiency is based on the median or midpoint of the data overall efficiency of Sharia Rural Banks (BPRS), as in the study of Abu-Alkheil, Burghof, and Khan (2012). Sharia Rural Banks (BPRS) have a higher level of efficiency or equal to the median is Sharia Rural Banks (BPRS) with a high level of efficiency. While Sharia Rural Banks (BPRS) with the level of efficiency is lower than the median BPRS is a low level of efficiency.

Table 5. BPRS with a High Level of Efficiency at VRS Model

Year of 2012			Year of 2011		
No.	**Name of BPRS**	**Efficiency**	**No.**	**Name of BPRS**	**Efficiency**
1	Bangka	1	1	Bangka	1
2	Dana Hidayatullah	1	2	Wakalumi	1
3	Al Hijrah Amanah	1	3	Al Hijrah Amanah	1
4	Al Ihsan	1	4	Al Ihsan	1

5	Al Salaam Amal Salman	1	5	Harta Insan Karimah Parahyangan	1
6	Amanah Ummah	1	6	Al Salaam Amal Salman	1
7	Dana Mulia	1	7	Amanah Ummah	1
8	Bumi Rinjani Probolinggo	1	8	Insan Cita Artha Jaya	1
9	Situbondo	1	9	Bumi Rinjani Probolinggo	1
10	Hareukat	1	10	Tanmiya Artha	1
11	Indo Timur	1	11	Sarana Prima Mandiri	1
12	Surya Sejati	1	12	Al Hidayah	1
13	Barakah Nawaitul Ikhlas	1	13	Karya Mugi Sentosa	1
14	Carana Kiat Andalas	1	14	Rahmah Hijrah Agung	1
15	Barokah Dana Sejahtera	0.99	15	Indo Timur	1
16	Baitul Muawanah	0.98	16	Surya Sejati	1
17	Insan Madani	0.98	17	Barakah Nawaitul Ikhlas	1
18	Harta Insan Karimah	0.98	18	PT BPRS Gajah Tongga Kota Piliang	1
19	FORMES	0.95	19	Gebu Prima	1
20	Amanah Sejahtera	0.95	20	Harta Insan Karimah	0.998
21	Buana Mitra Perwira	0.94	21	Renggali	0.982
22	Dinar Ashri	0.93	22	PNM Binama	0.951
23	Margirizki Bahagia	0.90	23	Hikmah Wakilah	0.944
24	Bhakti Haji	0.90	24	Hareukat	0.941
25	Hikmah Wakilah	0.89	25	Amanah Rabbaniah	0.937
26	Danagung Syariah	0.88	26	Dana Moneter	0.925
27	Amanah Rabbaniah	0.86	27	Berkah Dana Fadhilah	0.905
28	Jabal Tsur	0.85	28	Baiturrahman	0.895

29	PT BPRS Gajah Tongga Kota Piliang	0.85	29	Situbondo	0.886
30	Berkah Ramadhan	0.84	30	Niaga Madani	0.871
31	Barkah Gemadana	0.83	31	Bhakti Haji	0.869
32	Metro Madani	0.83	32	Barkah Gemadana	0.868
33	Al Ma'soem Syari'ah	0.82	33	Buana Mitra Perwira	0.863
34	Bumi Artha Sampang	0.82	34	Metro Madani	0.849
35	Lantabur	0.81	35	Danagung Syariah	0.838
36	Ikhsanul Amal	0.80	36	Bumi Rinjani Kepanjen	0.83
37	Tanggamus	0.78	37	Bumi Artha Sampang	0.829
38	Artha Mas Abadi	0.78	38	Muamalat Harkat	0.818
39	Muamalat Harkat	0.78	39	Lantabur	0.817
40	Bumi Rinjani Kepanjen	0.77	40	Dana Hidayatullah	0.812
41	Amanah Insani	0.75	41	Al Mabrur	0.810
42	Arta Leksana	0.75	42	Amanah Sejahtera	0.806
43	Artha Pamenang	0.75	43	Asad Alif	0.796
44	Khasanah Ummat	0.74	44	Puduarta Insani	0.787
45	Bangun Drajat Warga	0.73	45	Berkah Ramadhan	0.785
46	Karya Mugi Sentosa	0.70	46	Jabal Tsur	0.778
47	Artha Surya Barokah	0.70	47	Amanah Insani	0.762
48	Bumi Rinjani Malang	0.70	48	Artha Madani	0.748
			49	Syariat Fajar Sejahtera Bali	0.740
			50	Margirizki Bahagia	0.732
			51	Artha Mas Abadi	0.726
			52	Dinar Ashri	0.723
			53	Gowata	0.716

			54	Mentari Pasaman Saiyo	0.715

Sources: Secondary data was processed, Central Bank of Indonesia

Table 6. BPRS with a Low Level of Efficiency at VRS Model

Year of 2012			Year of 2011		
No.	**Name of BPRS**	**Efficiency**	**No.**	**Name of BPRS**	**Efficiency**
1	Mitra Amal Mulia	0.69	1	Khasanah Ummat	0.704
2	Gunung Slamet	0.67	2	Artha Pamenang	0.702
3	Bina Amanah Satria	0.67	3	Al Washliyah	0.698
4	Asad Alif	0.66	4	Baktimakmur Indah	0.697
5	Suriyah	0.66	5	Daya Artha Mentari	0.694
6	Sukowati Sragen	0.65	6	FORMES	0.686
7	PNM Binama	0.64	7	Cempaka Al Amin	0.686
8	Mentari	0.63	8	Bumi Rinjani	0.686
9	Al-Yaqin	0.63	9	Ikhsanul Amal	0.684
10	Baktimakmur Indah	0.63	10	Ampek Angkek Candung	0.682
11	Harta Insan Karimah Parahyangan	0.62	11	Bangun Drajat Warga	0.679
12	Adeco	0.62	12	Al Ma'soem Syari'ah	0.674
13	Cilegon Mandiri	0.62	13	Al-Yaqin	0.673
14	Ampek Angkek Candung	0.62	14	Sukowati Sragen	0.669
15	Mitra Cahaya Indonesia	0.62	15	Bina Amanah Satria	0.664
16	Al Hidayah	0.61	16	Mitra Amal Mulia	0.650
17	Cempaka Al Amin	0.61	17	Barokah Dana Sejahtera	0.648
18	Safir	0.60	18	Madina Mandiri Sejahtera	0.640
19	Bumi Rinjani	0.60	19	Hidayah	0.639
20	Madinah	0.60	20	Suriyah	0.638

21	Tanmiya Artha	0.60	21	Arta Leksana	0.637
22	Al Mabrur	0.60	22	Madinah	0.637
23	Puduarta Insani	0.59	23	Ben Salamah Abadi	0.630
24	Daya Artha Mentari	0.59	24	Gunung Slamet	0.609
25	Artha Madani	0.59	25	Hasanah	0.607
26	Artha Amanah Ummat	0.57	26	Attaqwa Garuda Utama	0.605
27	Harta Insan Karimah Bekasi	0.56	27	Artha Amanah Ummat	0.598
28	Jabal Nur	0.56	28	Bandar Lampung	0.593
29	Patuh Beramal	0.56	29	Cilegon Mandiri	0.589
30	Mandiri Mitra	0.56	30	Bumi Rinjani Batu	0.585
31	Rajasa	0.55	31	Al Mabrur Babadan	0.579
32	Bina Rahmah	0.53	32	Kotabumi	0.575
33	Bandar Lampung	0.53	33	Al Barokah	0.569
34	Bumi Rinjani Batu	0.51	34	Jabal Nur	0.567
35	Mulia Berkah Abadi	0.50	35	Rajasa	0.556
36	Way Kanan	0.49	36	Annisa Mukti	0.552
37	Baiturridha Pusaka	0.48	37	Safir	0.551
38	Al Mabrur Babadan	0.48	38	Artha Surya Barokah	0.546
39	Haji Miskin	0.46	39	Haji Miskin	0.544
40	Kotabumi	0.45	40	Artha Fisabilillah	0.531
41	Artha Fisabilillah	0.41	41	Bina Rahmah	0.526
42	Bhakti Sumekar	0.36	42	Harta Insan Karimah Bekasi	0.525
43	Harta Insan Karimah Cibitung	0.35	43	Mentari	0.523
44	Artha Sinar Mentari	0.34	44	Patuh Beramal	0.507

45	Investama Mega Bakti	0.32	45	Baiturridha Pusaka	0.504
			46	Kota Bekasi	0.499
			47	Mandiri Mitra	0.486
			48	Mitra Cahaya Indonesia	0.484
			49	Artha Sinar Mentari	0.451
			50	Sindanglaya Katonapan	0.441
			51	Tanggamus	0.426
			52	Investama Mega Bakti	0.368
			53	Bhakti Sumekar	0.320

Sources: Secondary data was processed, Central Bank of Indonesia

Analysis of Efficiency Level at Sharia Rural Banks (BPRS) Based on Scale Model

In Scale model, Sharia Rural Banks (BPRS) also grouped into two types based on the level of efficiency that is obtained namely Sharia Rural Banks (BPRS) with high levels of efficiency and Sharia Rural Banks (BPRS) with low levels of efficiency.

Criteria for high or low level of efficiency is based on the median or midpoint of the data overall efficiency of Sharia Rural Banks (BPRS), as in the study of Abu-Alkheil, Burghof, and Khan (2012). Sharia Rural Banks (BPRS) have a higher level of efficiency or equal to the median is Sharia Rural Banks (BPRS) with a high level of efficiency. While Sharia Rural Banks (BPRS) with the level of efficiency is lower than the median BPRS is a low level of efficiency.

Table 7. BPRS with a High Level of Efficiency at Scale Model

Year of 2012			Year of 2011		
No.	**Name of BPRS**	**Efficiency**	**No.**	**Name of BPRS**	**Efficiency**
1	Al Ihsan	1	1	Wakalumi	1
2	Dana Mulia	1	2	Al Ihsan	1
3	Situbondo	1	3	Sarana Prima Mandiri	1
4	Indo Timur	1	4	Al Hidayah	1
5	Carana Kiat Andalas	1	5	Karya Mugi Sentosa	1
6	Mitra Cahaya Indonesia	0.99	6	Indo Timur	1

7	Asad Alif	0.98	7	Gebu Prima	1
8	Danagung Syariah	0.98	8	PNM Binama	0.999
9	FORMES	0.97	9	Danagung Syariah	0.997
10	Bumi Rinjani Probolinggo	0.96	10	Artha Amanah Ummat	0.996
11	PNM Binama	0.96	11	Attaqwa Garuda Utama	0.993
12	Baitul Muawanah	0.95	12	Ben Salamah Abadi	0.991
13	Ikhsanul Amal	0.94	13	PT BPRS Gajah Tongga Kota Piliang	0.991
14	Tanmiya Artha	0.94	14	Mitra Cahaya Indonesia	0.978
15	Artha Amanah Ummat	0.94	15	Insan Cita Artha Jaya	0.978
16	Adeco	0.92	16	Bumi Rinjani Probolinggo	0.969
17	Al Mabrur	0.88	17	Al Mabrur	0.948
18	Mitra Amal Mulia	0.87	18	Tanggamus	0.944
19	Khasanah Ummat	0.87	19	Artha Sinar Mentari	0.943
20	Berkah Ramadhan	0.87	20	FORMES	0.930
21	Bina Rahmah	0.86	21	Baiturrahman	0.922
22	Gunung Slamet	0.86	22	Madinah	0.920
23	Dana Hidayatullah	0.85	23	Bina Rahmah	0.912
24	Barokah Dana Sejahtera	0.85	24	Asad Alif	0.912
25	PT BPRS Gajah Tongga Kota Piliang	0.84	25	Al Hijrah Amanah	0.910
26	Insan Madani	0.81	26	Al Barokah	0.903
27	Hareukat	0.80	27	Gunung Slamet	0.895
28	Arta Leksana	0.80	28	Barakah Nawaitul Ikhlas	0.879
29	Mulia Berkah Abadi	0.80	29	Al-Yaqin	0.862
30	Surya Sejati	0.79	30	Artha Fisabilillah	0.850

31	Al-Yaqin	0.77	31	Dana Hidayatullah	0.840
32	Madinah	0.77	32	Renggali	0.837
33	Artha Sinar Mentari	0.77	33	Mentari Pasaman Saiyo	0.836
34	Margirizki Bahagia	0.76	34	Mitra Amal Mulia	0.834
35	Bumi Artha Sampang	0.75	35	Amanah Insani	0.820
36	Bumi Rinjani	0.75	36	Khasanah Ummat	0.815
37	Bhakti Haji	0.73	37	Berkah Ramadhan	0.813
38	Bumi Rinjani Malang	0.72	38	Hareukat	0.809
39	Puduarta Insani	0.71	39	Bhakti Haji	0.805
40	Barakah Nawaitul Ikhlas	0.71	40	Tanmiya Artha	0.802
41	Al Hidayah	0.71	41	Mandiri Mitra	0.797
42	Karya Mugi Sentosa	0.71	42	Syariat Fajar Sejahtera Bali	0.789
43	Amanah Insani	0.71	43	Gowata	0.788
44	Bumi Rinjani Batu	0.70	44	Madina Mandiri Sejahtera	0.782
45	Bandar Lampung	0.70	45	Ikhsanul Amal	0.769
46	Amanah Rabbaniah	0.70	46	Margirizki Bahagia	0.765
47	Al Ma'soem Syari'ah	0.69	47	Barokah Dana Sejahtera	0.763
48	Suriyah	0.69	48	Annisa Mukti	0.762
49	Al Hijrah Amanah	0.69	49	Hasanah	0.754
50	Rajasa	0.69	50	Al Washliyah	0.744
			51	Puduarta Insani	0.726
			52	Situbondo	0.720
			53	Al Salaam Amal Salman	0.718
			54	Amanah Rabbaniah	0.706

Sources: Secondary data was processed, Central Bank of Indonesia

Table 8. BPRS with a Low Level of Efficiency at Scale Model

Year of 2012			Year of 2011		
No.	**Name of BPRS**	**Efficiency**	**No.**	**Name of BPRS**	**Efficiency**
1	Haji Miskin	0.68	1	Lantabur	0.702
2	Harta Insan Karimah Bekasi	0.68	2	Arta Leksana	0.699
3	Lantabur	0.67	3	Berkah Dana Fadhilah	0.698
4	Amanah Ummah	0.67	4	Surya Sejati	0.690
5	Hikmah Wakilah	0.66	5	Bumi Rinjani Batu	0.686
6	Al Salaam Amal Salman	0.66	6	Barkah Gemadana	0.686
7	Artha Fisabilillah	0.66	7	Cempaka Al Amin	0.679
8	Tanggamus	0.66	8	Jabal Nur	0.670
9	Ampek Angkek Candung	0.66	9	Buana Mitra Perwira	0.666
10	Buana Mitra Perwira	0.65	10	Artha Surya Barokah	0.662
11	Bangun Drajat Warga	0.64	11	Suriyah	0.659
12	Jabal Nur	0.64	12	Bumi Rinjani	0.658
13	Artha Mas Abadi	0.64	13	Rajasa	0.649
14	Bina Amanah Satria	0.64	14	Hikmah Wakilah	0.630
15	Baktimakmur Indah	0.64	15	Sindanglaya Katonapan	0.630
16	Al Mabrur Babadan	0.63	16	Harta Insan Karimah Bekasi	0.628
17	Cempaka Al Amin	0.63	17	Al Mabrur Babadan	0.622
18	Daya Artha Mentari	0.63	18	Bumi Artha Sampang	0.616
19	Harta Insan Karimah Cibitung	0.62	19	Daya Artha Mentari	0.611
20	Mandiri Mitra	0.60	20	Haji Miskin	0.611
21	Jabal Tsur	0.60	21	Bandar Lampung	0.610
22	Safir	0.60	22	Investama Mega Bakti	0.610

23	Kotabumi	0.58	23	Bangun Drajat Warga	0.607
24	Investama Mega Bakti	0.56	24	Rahmah Hijrah Agung	0.604
25	Barkah Gemadana	0.56	25	Artha Pamenang	0.603
26	Muamalat Harkat	0.55	26	Hidayah	0.594
27	Way Kanan	0.55	27	Ampek Angkek Candung	0.588
28	Bumi Rinjani Kepanjen	0.53	28	Jabal Tsur	0.587
29	Patuh Beramal	0.52	29	Amanah Ummah	0.585
30	Amanah Sejahtera	0.52	30	Bina Amanah Satria	0.585
31	Artha Surya Barokah	0.52	31	Artha Mas Abadi	0.562
32	Artha Madani	0.51	32	Muamalat Harkat	0.542
33	Sukowati Sragen	0.50	33	Kotabumi	0.539
34	Artha Pamenang	0.49	34	Artha Madani	0.533
35	Mentari	0.48	35	Cilegon Mandiri	0.522
36	Bangka	0.47	36	Safir	0.522
37	Baiturridha Pusaka	0.47	37	Bumi Rinjani Kepanjen	0.503
38	Metro Madani	0.46	38	Amanah Sejahtera	0.502
39	Harta Insan Karimah	0.44	39	Baktimakmur Indah	0.501
40	Dinar Ashri	0.43	40	Patuh Beramal	0.500
41	Bhakti Sumekar	0.41	41	Kota Bekasi	0.499
42	Cilegon Mandiri	0.41	42	Dinar Ashri	0.491
43	Harta Insan Karimah Parahyangan	0.39	43	Dana Moneter	0.484
			44	Sukowati Sragen	0.483
			45	Bangka	0.478
			46	Mentari	0.459
			47	Baiturridha Pusaka	0.457

			48	Al Ma'soem Syari'ah	0.446
			49	Metro Madani	0.435
			50	Harta Insan Karimah	0.421
			51	Niaga Madani	0.395
			52	Bhakti Sumekar	0.369
			53	Harta Insan Karimah Parahyangan	0.354

Sources: Secondary data was processed, Central Bank of Indonesia

Analysis of Efficiency-Profitability Matrix

Based on the level of efficiency and profitability of Sharia Rural Banks (BPRS) is made efficiency-profitability matrix to see where Sharia Rural Banks (BPRS) are included in the four groups in the efficiency-profitability matrix. Four groups in the efficiency-profitability matrix is as follows:

Tabel 9. Efficiency-Profitability Matrix

Profitability		
High	*Sleeper*	*Star*
Low	*Question Mark*	*Dog*
Efficiency	Low	High

Group star is a Sharia Rural Banks (BPRS) with a high level of efficiency and high profitability. Group dog is a Sharia Rural Banks (BPRS) with a high level of efficiency and low profitability. Group sleeper is a Sharia Rural Banks (BPRS) with a low level of efficiency and high profitability, meanwhile group question mark is Sharia Rural Banks (BPRS) with low levels both efficiency and profitability.

1. Analysis of Efficiency-Profitability MatrixSharia Rural Banks (BPRS) in 2012
   Matrix efficiency and profitability in all three models are models of efficiency levels CRS, VRS, and the scale shows the results are not much different. The number of Sharia Rural Banks (BPRS) most are in a group*dogs*, i.e. Sharia Rural Banks (BPRS) with a high level of efficiency but low levels of profitability. But the number of Sharia Rural Banks (BPRS) was only a little difference there is in fact equal to the number of Sharia Rural Banks (BPRS) in the *sleeper group,* i.e. Sharia Rural Banks (BPRS) with a low level of efficiency but high profitability. While all three models on the level of efficiency, efficiency and profitability

International Journal of Academic Research in Business and Social Sciences
July 2014, Vol. 4, No. 7
ISSN: 2222-6990

matrix shows that the number of Sharia Rural Banks (BPRS) was the smallest in the *question mark group,* i.e. Sharia Rural Banks (BPRS) has low levels both efficiency and profitability.

It shows that the Sharia Rural Banks (BPRS) has a high level of profitability does not necessarily have a high level of efficiency. The results showed the opposite result or not in conformity between the level of efficiency and profitability of Sharia Rural Banks (BPRS). Sharia Rural Banks (BPRS) is the highest amount being in the *dog* group and *sleeper* are high-level efficiency of low profitability, and low-level efficiency of high profitability.

Seeing the results of the analysis of the level of efficiency-profitability matrix Sharia Rural Banks (BPRS) above, further analysis is the determinant of the level of efficiency of Sharia Rural Banks (BPRS).This analysis is to determine the factors that significantly influence the level of efficiency of Sharia Rural Banks (BPRS), especially to show the effect of profitability on the efficiency of Sharia Rural Banks (BPRS).

2. Analysis of Efficiency-Profitability MatrixSharia Rural Banks (BPRS) in 2011
Matrix efficiency and profitability in all three models are models of efficiency levels CRS, VRS, and the scale show the results are not much different. The numbers of Sharia Rural Banks (BPRS) are mostly in a group*dogs*, i.e. they are in a group with a high level of efficiency but low levels of profitability. But the number of Sharia Rural Banks (BPRS) was only a little difference there is in fact equal to the number of Sharia Rural Banks (BPRS) in the *sleeper group,* i.e. Sharia Rural Banks (BPRS) with a low level of efficiency but high profitability. While all three models on the level of efficiency, efficiency and profitability matrix show that the numbers of Sharia Rural Banks (BPRS) are the smallest in the *question mark group,* i.e. Sharia Rural Banks (BPRS) has low efficiency and profitability.

It shows that the Sharia Rural Banks (BPRS) has a high level of profitability does not necessarily have a high level of efficiency. The results show the opposite result or not in conformity between the level of efficiency and profitability of Sharia Rural Banks (BPRS). Sharia Rural Banks (BPRS) is the highest amount being in the *dog* group and group of *sleeper* is high-level efficiency of low profitability, and low-level efficiency of high profitability.

Seeing the results of the analysis of the matrix level of efficiency-profitability Sharia Rural Banks (BPRS) in 2012 and 2011 above, further analysis is the determinant of the level of efficiency of Sharia Rural Banks (BPRS). Analysis of the determinants of the level of efficiency is to determine the factors that significantly influence the level of efficiency of

Sharia Rural Banks (BPRS), especially to see the effect of profitability on the efficiency of Sharia Rural Banks (BPRS).

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

1. Matrix efficiency and profitability in all three models are models of efficiency levels are CRS, VRS, and Scale in 2012 and 2011 showed that the results are not much different. Matrix efficiency and profitability in all three models are models of efficiency levels CRS, VRS, and the scale show the results are not much different. The numbers of Sharia Rural Banks (BPRS) most are in a group *dogs*, i.e. Sharia Rural Banks (BPRS) with a high level of efficiency but low levels of profitability. But the number of Sharia Rural Banks (BPRS) was only a little difference there is in fact equal to the number of Sharia Rural Banks (BPRS) in the *sleeper group,* i.e. Sharia Rural Banks (BPRS) with a low level of efficiency but high profitability.
2. All three models are models of efficiency levels, efficiency and profitability matrix show that the number of Sharia Rural Banks (BPRS) was the smallest in the *question mark*group, i.e. Sharia Rural Banks (BPRS)with low efficiency and low profitability.

The results of analysis show that the majority of high efficiency level of Sharia Rural Banks (BPRS) do not mean they have a high profitability. Sharia Rural Banks (BPRS) are the highest amount being in the *dog* and *sleeper* group which are high efficiency-low profitability and low efficiency-high profitability, so that most of the Sharia Rural Banks (BPRS) should be in the dog and the sleeper group are high efficiency-low profitability and low efficiency-high profitability.

Recommendations

A subsequent study can be used other independent variables that can affect the efficiency of Sharia Rural Banks (BPRS).

BIBLIOGRAPH

Ajija, Shochrul R., Sari, Dyah W., Setianto, Rahmat H., dan Primanti, Martha R., (2011), *Cara Cerdas Menguasai Eviews*, Penerbit Salemba Empat.

Abu-Alkheil, Ahmad M., Burghof, Hans-Peter, dan Khan, Walayet A., (2012), Islamic Commercial Banking in Europe: a Cross-Country and Inter-Bank Analysis of Efficiency Performance, *International Business and Economics Research Journal*, Vol. 11, No. 6.

Babu, C., Kasilingam, R., dan Kasilingam, R., (2011), Technical Efficiency of MFI's and Its Determinants: An Empirical Study, *Tecnia Journal of Management Studies*, Vol.6, No.2.

Dost, Muhammad Khyzer Bin, Ahmad, Hafiz Zaffar, dan Warraich, Khudaija, (2011), Scale Efficiency of Islamic Banks of Pakistan, *Arabian Journal of Business and Management Review*, Vol. 1, No. 5.

International Journal of Academic Research in Business and Social Sciences
July 2014, Vol. 4, No. 7
ISSN: 2222-6990

Ftiti, Zied, Nafti, Olfa, dan Sreiri, Safa, (2013), Efficiency of Islamic Banks During Subprime Crisis: Evidence of GCC Countries, The Journal of Applied Business Research, Vol. 29, No. 1.

Gujarati, N. D.,(2003),*Basic Econometrics,* The Mcraw-Hill Companies Inc., NewYork.

Hassan, M. Kabir, dan Sanchez, Benito, (2009), Efficiency Analysis of Microfinance Institutions in Developing Countries, *Working Paper*, Network Financial Institute, Indiana State University.

Haq, Mamiza, Skully, Michael, dan Pathan, Sharas, (2010), Efficiency of Microfinance Institutions: A DEA Analysis, *Asia-Pacific Financial Markets*, Vol. 17.

Jayamaha, Ariyarathna, dan Mula, Joseph M., (2010), Financial Practices and Efficiency of Cooperative Rural Banks in Sri Lanka, *1st International Conference on Business and Information: Researching Realities of Management Phenomenon (ICBI 2010),* Colombo, Sri Lanka.

Khankhoje, Dilip, dan Sathye, Milind, (2008), Efficiency of Rural Banks: The Case of India, *International Business Research*, Vol. 1 No. 2.

Kipesha, Erasmus Fabian, (2012), Efficiency of Microfinance Institutions in East Africa: A Data Envelopment Analysis, *European Journal of Business and Management*, Vol. 4 No. 17.

Kipesha, Erasmus Fabian, (2013), Production and Intermediation Efficiency of Microfinance Institutions in Tanzania, *Journal of Finance and Accounting*, Vol. 4 No. 1.

McDonald, John, (2009), Using Least Squares and Tobit in Second Stage DEA Efficiency Analyses, *European Journal of Operational Research*, Vol. 197, Issue 2.

Mohindra, Versha, dan Kaur, Gian, (2011), Efficiency of Regional Rural Banks in India: An Application of Data Envelopment Analysis, *Economic Affairs*, Vol. 56 No. 2.

Noor, Mohamad Akbar Noor Mohamad, dan Ahmad, Nor Hayati, (2012), The Determinants of World Islamic Banks' Efficiency: Does Country Income Level Have An Impact?, *Journal of Islamic Economics, Banking and Finance*, Vol. 8 No. 2.

Onour, Ibrahim A., dan Abdalla, Abdelgadir M.A., (2011), Efficiency of Islamic Banks in Sudan: A Non-parametric Approach, *Journal of Islamic Economics, Banking and Finance*, Vol. 7, No. 4.

Pal, Debdatta, (2010), Measuring Technical Efficiency of Microfinance Institutions in India, *Indian Journal of Agricultural Economics*, Vol. 65 No. 4.

Said, Ali, (2013), Risk and Efficiency in the Islamic Banking System: The Case of Selected Islamic Banks in MENA Region, *International Journal of Economics and Financial Issues,* Vol. 3, No. 1.

Siamat, Dahlan, (2005), *Manajemen Lembaga Keuangan*, Edisi Kelima, Lembaga Penerbit FEUI.

swww.bi.go.id