Pro-Growth Absorptive Strategy, Innovation Performance, And Business Performance Of Commercial Banks In Indonesia

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Abstract - This study is to examine the effect of pro-growth absorptive strategy and innovation performance, and how innovation performance mediates the effect. The data sources were primary and secondary data obtained from the questionnaire and the Financial Services Authority (Otoritas Jasa Keuangan/OJK) of Indonesia in 2019 related to 57 commercial banks under study. Component-based Partial Least Square (PLS) was used to analyze obtained data through two stages of evaluation model (outer and inner) to test the causal relationship among variables. We found that the pro-growth absorptive strategy has a positive and significant effect on innovation performance and business performance. Innovation performance has a positive and significant effect on business performance. Innovation performance mediates the effect of pro-growth absorptive strategy on business performance, but it is the partial mediating. The main implication of the study is that to maintain and improve business performance, the banks first have to focus on pro-growth absorptive strategy to initiate the implementation of innovation performance.

Keywords: business performance, innovation performance, pro-growth absorptive strategy, commercial banks

1. INTRODUCTION

The banking sector plays a salient role in promoting national economic growth. A commercial bank, as a financial services institution, should become a trustworthy institution that protects the interests of consumers and the public, and be able to bring about the institution as a pillar of the national economy with global competitiveness and capability to promote public prosperity. It also has to realize the convening of all activities in the financial sector so that they are managed regularly, fairly, transparently, and accountably. Besides that, the commercial bank must accomplish a sustainable and stable financial system, and protect the interests of consumers and the public.

The contribution of commercial banks, in general, reflects their business performance (financial and non-financial performances). The Financial Services Authority (Otoritas Jasa Keuangan/OJK) of Indonesia in 2019 announced that the banking industry, especially the commercial banks, tend to achieve positive performance. The net profit of commercial banks per October 2019 grew 6.05% year-on-year (y-o-y) to Rp 130.77 trillion, but this growth is worse than last year’s performance. The distribution of bank credit grew by 6.08% (y-o-y), but this figure is smaller than the previous year (11.75% y-o-y). Banking credit growth was supported by the construction sector and the household sector. The banking gross Non-performing Loan (NPL) ratio is relatively low compared to the banking capital adequacy ratio (CAR), which is far above the threshold. On the other hand, commercial banks are committed to providing affordable funding. This can be seen from the decreased Net Interest Margin (NIM) and the decline in average bank credit interest rates. Considering this situation,
however, if in 2019 the banking industry grows to slow down, it is estimated that by 2020 the banking industry will enter a slowdown phase in national economic growth as in 2016 (Gunawan, 2019).

To improve financial performance, commercial banks undeniably have to exploit nonfinancial performance. Following the concept of Balanced Scorecard (Kaplan & Norton, 2008), the company strategies have to be embedded with the operation for competitive advantage, to balance the financial and non-financial performance, short- and long-term performance, as well as internal and external performance. To evaluate banks performance, financial performance and non-financial performance aspects should be taken into account (Seçme, Bayrakdaroglu, &Kahraman, 2009).

Successful business performance requires banks to manage external knowledge into internal knowledge. This process can be pursued through the pro-growth absorptive strategy so the banks may acquire, assimilate, transform, and exploit that knowledge. This pro-growth absorptive strategy enables an organization to obtain a higher level of competitiveness and innovation (Chirico, 2008). Barney (2007) argues that knowledge leads to performance improvement when it is well managed.

Technological advances require commercial banks to innovate, especially in integration between digital technology and business strategy (Prajogo&Sohal, 2006) to achieve better competitive advantages and business performance. The acquired knowledge then may be applied to generate ideas into new products and services that meet and satisfy the needs and expectations of the banks’ customers. The pro-growth absorptive strategy that pays attention to the development of innovation performance should have a better business performance.

The effect of pro-growth absorptive strategy on innovation performance has been studied by several researchers, such as Ernst & Center (2018), Bratti& Felice (2009), and Chen, Lin, & Chang (2009), ranging from the smallest to the largest levels of an organization. The effect of innovation performance on business performance has been examined by previous researchers, such as Löfsten (2014), Nolsøe-Grünbaum& Stenger (2013); and Wagner (2010). Some previous researchers scrutinized the mediating effect of innovation performance, such as Nawaz, Hassan & Shaukat (2014), Byukusenge, Munene, &Orobia(2016); and Lee, Dedahanov, & Rhee (2015).

This study is to examine the effect of pro-growth absorptive strategy on business performance of commercial banks with innovation performance as a mediating effect. This study argues that commercial banks should exert efforts to implement a pro-growth absorptive strategy to improve business performance through increased innovation performance. This paper may contribute to the field of strategic management, especially to understand the implication of innovation performance in the association between pro-growth absorptive strategy and business performance of the commercial banks.

2. LITERATURE REVIEWS
2.1 Pro-Growth Absorptive Strategy
The pro-growth absorptive strategy is an important part of a corporate strategy formulation in its core business. To improve its competitive position, the business strategy of a business unit must have an orientation toward growth (pro-growth strategy). A company that focuses more on pro-growth strategy is usually less focused on pro-profit strategy, and vice versa (Han, 2007). The pro-profit strategy deals with most of the short-term financial performance, while the pro-growth strategy deals with most of the non-financial performance. To execute long-term pro-profit strategy, a company should be able to cope with the pro-growth strategy.
In strategic management, a company should identify the external and internal factors that influence its performance. Knowledge is one of the valuable resources in addition to assets, skills, and competencies in the internal environment of the company. Following the organizational learning theory, Wheelen & Hunger (2012), “an organization adjusts defensively to a changing environment and uses knowledge offensively to improve the fit between itself and its environment”. Quick adaptation to the dynamic environments, a company needs to involve in a learning organization, that skilled at creating, acquiring, and transferring knowledge and at modifying its behaviour to reflect new meaningful knowledge. Knowledge is a strategic resource that is essential to a firm’s ability to innovate and compete (Wang, 2013). The company may reuse existing knowledge and explore new knowledge (Simsek et al, 2009).

To get there, a company needs a strategy that can absorb external knowledge for the long-term benefit of the company, which is called a pro-growth absorptive strategy. Pro-growth absorptive strategy in this sense refers to the absorptive capacity of a firm’s ability to value, assimilate, and utilize new external knowledge (Wheelen & Hunger, 2012). A company may learn from external knowledge through the processes of knowledge identification, assimilation, and exploitation (Cohen & Levinthal, 1989). Afterwards, Kim (1998) proposed that a company should incorporate in knowledge acquisition, assimilation, transformation, and development processes. The previous concept was modified by Zahra & George (2002) in new terms: knowledge acquisition, assimilation, transformation, and exploitation that embedded within company routines and strategic processes.

Xie, Zou, & Qi (2018) explained that knowledge acquisition is related to the ability to identify and acquire externally generated knowledge important to a company’s operations. Knowledge assimilation deals with the routines and processes that allow a company to analyze, interpret, and understand information obtained from external sources. Knowledge transformation indicates the ability to develop and refine the routines that facilitate combining existing knowledge and newly acquired and assimilated knowledge. Finally, knowledge exploitation is the ability to incorporate and utilize the acquired, assimilated, and transformed knowledge into the operations and routines. In turn, the right absorptive strategy implemented by a company can overcome problems, which allows the company to create new operations, competencies, and routines so that it can manage the knowledge into profit. This study adopted the concept of knowledge absorptive capacity as the base of a pro-growth absorptive strategy.

2.2 Innovation Performance
In business and economics, innovation is one of the processes of creating value. Innovation deals with breakthrough and novel solutions to crucial problems. In turn, successful innovation meets new requirements, unarticulated needs, or existing market needs, and it leads to better company performance. Innovation process in an organization must be applied consistently and successfully (El-Bassiti, 2016). Identification of factors that support and hinder innovation is a necessity to implement the intended innovation (Otieno et al, 2016).

The foremost global source of innovation types in an organization refers to the Oslo Manual (OECD, 2005): product (good and service) innovations, process innovation (production and delivery method), organizational innovations, and marketing innovation. The advancement of innovation may come from unique and different approaches by reinventing the newness through innovative capability (Fiorentino, 2010), as important factors of competitiveness.

In-service activities, such as commercial banks, it is increasingly necessary to measure innovation performance. Zizlavsky (2016) defines innovation performance as “the ability to
transform innovation inputs into outputs, and thus the ability to transform innovation capability and effort into market implementation". To improve reliability, adoption, and usability for various actors involved in developing innovation, there is a deliberate set of guiding principles to consider innovation performance specifications (Xiao & Ramsden, 2016), such as accuracy, benefit, consistency, flexibility, informativeness, and speciality. According to Albaladejo & Romijn (2001), the seven supporting factors to be measured in innovation performance in an organization are (1) human resource capability, (2) technology utilization, (3) interaction with external parties, (4) marketing capability, (5) new product development, (6) production and operational capabilities, and (7) research and development (R&D). This measurement is used as indicators of innovation performance in this study.

2.3 Business Performance
Measurement of business performance is needed periodically and continuously to find out whether the strategies implemented in the business are running well or meet the conditions of external dynamics as running. Business performance is a concept that is used to assess the achievement of business activities. Performance is simply the end of result of activities, which includes the outcome of the strategic management process (Wheelen & Hunger, 2012). Nevertheless, performance is commonly considered as a complex multi-dimensional construct (Chakravarthy, 1997).

Periodic performance measurement is required by every organization, both profit-oriented, and nonprofit oriented organizations. The measurement results will be useful as a basis for planning. Besides, the organization becomes more aware of the internal and external conditions of the organization. Then, it can identify strengths, weaknesses, opportunities, and threats faced, and can also ensure the critical factors that require immediate response, so no fatal consequences arise. Furthermore, superior business performance can also strengthen the resources and capabilities of the organization, through reinvestment, improvement, and upgrading.

According to Jaworski & Kohli (1993), business performance can be measured by financial performance and market performance. In line with this opinion, Deshpandé, Farley & Webster (1993) stated that business performance is measured by profitability, company size, market share, and sales growth. Later on, Kaplan & Norton (2008) introduced the concept of a balanced scorecard to measure business performance using four perspectives. Each measurement has advantages and disadvantages. Thus, this study attempts to combine the measurement of business performance using the indicators of Product/Sales, Customers, Profitability, and Market Share.

2.4 Conceptual Framework and Hypotheses
Many previous studies have examined the direct and indirect effects of pro-growth absorptive strategy (PAS) on innovation performance (IP) and business performance (BP), such as Florini, Lai, & Tan (2012); Montinari & Rochlitz (2014); Cooke (2013); Castillo, Salem, &Guasch (2012); Kneller & Stevens (2006); and Cohen & Levinthal (1990). Based on the previous researches on literature reviews and adjustment to the conditions of commercial banks in Indonesia, we propose four hypotheses as follows.

H1: Pro-growth absorptive strategy has a positive effect on innovation performance.
H2: Pro-growth absorptive strategy has a positive effect on business performance.
H3: Innovation performance has a positive effect on business performance.
**H₄**:  *Innovation performance has a mediating effect on the relationship between pro-growth absorptive strategy and business performance.*

Figure 1 illustrates the conceptual framework of the model.

![Figure 1 Conceptual Framework of the Model](image)

### 3. RESEARCH METHOD

There are 120 commercial banks in Indonesia (4 state-owned banks and 116 private banks). Of those banks, there are 26 regional-owned banks and 29 Islamic banks that were not included in this study. Thus, this study was intended to investigate 65 commercial banks. Nevertheless, there were 8 private banks which have no data available related to profitability in 2019. The final data, then, were obtained from 57 banks. To obtain the data, we administer a set of questionnaires to the 57 managers of the commercial banks about the pro-growth absorptive strategy and innovation performance (scale 1 to 10); and business performance (scale 0 to 100) for the indicators of product/sales, customers, and market share. In particular, the indicators of profitability of the business performance were the secondary data obtained from OJK (https://www.ojk.go.id/) in 2019, including the CAR (Capital Adequacy Ratio), ROA (Return On Assets), LDR (Loan to Deposits Ratio), and Net Interest Margin (NIM).

First, we described each variable in terms of mean and standard deviation. Secondly, to analyze the effect of pro-growth absorptive strategy (PAS) as an exogenous variable on innovation performance (IP) as mediating variable and business performance (BP) as an endogenous variable, we used Partial Least Square (PLS). The constructs of each latent variable are:

- **Pro-growth Absorptive Strategy (PAS)** is a latent exogenous variable with four manifest variables: Acquisition (PAS1), Assimilation (PAS2), Transformation (PAS3), and Exploitation (PAS4), measured by several indicators.
- **Innovation Performance (IP)** is a latent endogenous variable, as well as the mediating variable, with seven manifest variables: Human Resource Capability (IP1), Technology Use (IP2), Interaction and Communication with External Parties (IP3), Marketing Capability (IP4), New Product Development (IP5), Production &Operational Capabilities (IP6), and Research &Development (IP7), measured by several indicators.
- **Business Performance (BP)** is a latent endogenous variable with four manifest variables: Product/Sales (BP1), Customers (BP2), Profitability (BP3), and Market Share (BP4), measured by several indicators.

Component-based Partial Least Square (PLS) was used to analyze obtained data through two stages of evaluation model (outer and inner). The first stage is evaluating the outer model or the measurement model to determine the validity of outer loading (valid if the outer loading >
0.5 and ideally > 0.7). The composite reliability (CR) is valid if > 0.7, Cronbach’s Alpha is valid if > 0.7, and average variance extracted (AVE) is valid if > 0.5, as a minimum 50% of measurement variance captured by the latent variables. The second stage is the inner or structural model that examines the latent variable correlations, path coefficients and t-statistic values, R-squared ($R^2$) values, and effect size ($f^2$). This model also calculates the mediating effect of innovation performance.

4. RESULTS AND DISCUSSION
The data set contains many different manifests of each latent variable. Table 1 presents the description for each variable in terms of mean and standard deviation.

<table>
<thead>
<tr>
<th>Variables</th>
<th>Mean</th>
<th>Std. Dev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pro-growth Absorptive Strategy (PAS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAS1: Acquisition</td>
<td>7.246</td>
<td>0.673</td>
</tr>
<tr>
<td>PAS2: Assimilation</td>
<td>7.368</td>
<td>0.707</td>
</tr>
<tr>
<td>PAS3: Transformation</td>
<td>7.298</td>
<td>0.740</td>
</tr>
<tr>
<td>PAS4: Exploitation</td>
<td>7.298</td>
<td>0.808</td>
</tr>
<tr>
<td>Innovation Performance (IP)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP1: Human Resource Capability</td>
<td>7.105</td>
<td>0.696</td>
</tr>
<tr>
<td>IP2: Technology Use</td>
<td>7.307</td>
<td>0.680</td>
</tr>
<tr>
<td>IP3: Interaction and Communication with External Parties</td>
<td>7.202</td>
<td>0.654</td>
</tr>
<tr>
<td>IP4: Marketing Capability</td>
<td>7.237</td>
<td>0.682</td>
</tr>
<tr>
<td>IP5: New Product Development</td>
<td>7.167</td>
<td>0.594</td>
</tr>
<tr>
<td>IP6: Production &amp; Operational Capabilities</td>
<td>7.193</td>
<td>0.702</td>
</tr>
<tr>
<td>IP7: Research &amp; Development</td>
<td>7.158</td>
<td>0.858</td>
</tr>
<tr>
<td>Business Performance (BP)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BP1: Product/Sales</td>
<td>78.316</td>
<td>6.761</td>
</tr>
<tr>
<td>BP2: Customers</td>
<td>80.205</td>
<td>6.028</td>
</tr>
<tr>
<td>BP3: Profitability</td>
<td>77.684</td>
<td>5.612</td>
</tr>
</tbody>
</table>

To test the hypotheses, the analysis of PLS was used (measurement and structural model). The summary of the measurement model of each variable is summarized in Table 2.

<table>
<thead>
<tr>
<th>Latent/Manifest Variables</th>
<th>Loadings</th>
<th>Composite Reliability</th>
<th>Average Variance Extracted</th>
<th>Cronbach’s Alpha</th>
<th>Goodness of Fit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAS</td>
<td>0.787</td>
<td>0.865</td>
<td>0.618</td>
<td>0.802</td>
<td>Fit Model</td>
</tr>
<tr>
<td>PAS1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAS2</td>
<td>0.768</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAS3</td>
<td>0.885</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAS4</td>
<td>0.694</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP</td>
<td>0.708</td>
<td>0.887</td>
<td>0.530</td>
<td>0.857</td>
<td>Fit Model</td>
</tr>
<tr>
<td>IP1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP2</td>
<td>0.694</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The Cronbach’s alpha value > 0.6 or ideally > 0.7 and composite reliability scores > 0.7 are the thresholds value for a fit model (Rahman et al., 2013), and AVE should be higher than 0.5. Table 2 shows that the loadings of all manifest variables are higher than 0.6 which is valid. The values of Composite Reliability and Cronbach’s Alpha are higher than 0.7, and the value of AVE is higher than 0.5 which confirms the discriminant validity of the manifests in the model. In short, the constructs in the measurement model are confirmed as valid and reliable.

Table 2 also explains that all manifest variables have high loadings. In Pro-growth Absorptive Strategy, Transformation (PAS3) is the highest factor loading that shares the highest proportion of variance. It means that the transformation stage is the most prominent factor in shaping the commercial banks’ Pro-growth Absorptive Strategy, through the development of knowledge that fits the needs of the bank and through the combining of the old and new knowledge. Most commercial banks reflect this stage to establish the absorptive capacity. The acquisition of knowledge is also important to attain by the intensification to identify and obtain external knowledge. After getting the external knowledge, the banks can better understand external knowledge and communicate the knowledge needed to the internal organization. Nevertheless, the exploitation stage is not so high compared to other factors.

The highest factor loading in Innovation Performance is Marketing Capability (IP4). In this way, most commercial banks have successfully evaluated banking products/services and introduced new products/services to customers. Essentially, most banks have also effectively conducted research and development (R&D) to strengthen the identification of market segments and network expansion. The banks have intensively collaborated with third parties and partnerships with customers. Besides that, the banks have adequately tried to innovate products/services that meet customer needs and supervise the quality of products/services. This condition is supported by relatively high human resource capabilities in innovation and creativity. Human resource capabilities support banks in building prospective business networks and marketing products/services online. Nevertheless, the level of achievement of developing superior and new products/services is not as high as other factors, so banks need to further evaluate this achievement.

In Business Performance, the lowest factor loading is profitability (BP2) compared to other factors. This is mostly due to the high variability in terms of CAR, ROA, LDR, and NIM of each bank. The highest banks’ performance is reflected by the customer-aspect concerning the average number of customer growth, number of credit recipients, and customer satisfaction index compared to the previous year period. The banks consider that the level of exploiting market opportunities and the success rate of market development is gradually
increasing. It was stated that the percentage of the development of new products/services and the customer deposit growth has been quite satisfying.

To evaluate the inner structural model, we examine the path coefficient (β value), t-statistic value, R-squared (R²) values, and effect size (f²) of the model. The structural model is illustrated in Figure 2.

The calculation of the path coefficient and t-statistic value is presented in Table 3 as follows.

| Hypothetical paths | Original (O) | Sample (SE) | Error | t-statistic (|O/SE|) | Inference |
|--------------------|--------------|-------------|-------|-----------------|-----------|
| PAS – IP (H₁)      | 0.550        | 0.113       |       | 4.883           | Significant |
| PAS – BP (H₂)      | 0.311        | 0.118       |       | 2.647           | Significant |
| IP – BP (H₃)       | 0.470        | 0.118       |       | 7.826           | Significant |

The path coefficient of PAS – IP is significant with β = 0.550 and t-value = 4.883 (table value is 2.00 at 5% level of significance). This indicates that a 100 point change in PAS will bring about 55.0 point change in IP. It implies that the pro-growth absorptive strategy has a direct positive significant effect on innovation performance. The significance of PAS – BP and IP – BP indicates that pro-growth absorptive strategy has a positive significant effect (directly and indirectly) on business performance and that innovation performance has a direct positive significant effect on business performance.

In PLS path models, the squared correlation values of 0.67, 0.33 and 0.19 are considered as substantial, moderate and weak respectively (Chin, 1998). The R² value of the first latent endogenous construct (R²ₐ) as shown in Figure 1 is 0.302, which is between 0.19 and 0.33 so it is considered as weak to moderate. The R² value of the second latent endogenous construct (R²ₜ) is 0.479, which is considered as moderate to substantial (between 0.33 and 0.67).

The effect size (f²) is a measure of the impact of each predictor construct on the dependent construct. The effect of predictor independent construct is large at the structural level if f² is 0.35, medium if 0.15 and small if 0.02 (Cohen 1988). The results and inference of the effect size are tabulated in Table 4.
### Table 4
Effect Size ($f^2$)

<table>
<thead>
<tr>
<th>Dependent construct</th>
<th>Independent construct</th>
<th>$R^2$ (included)</th>
<th>$R^2$ (excluded)</th>
<th>Effect Size</th>
<th>Inference</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP</td>
<td>PAS</td>
<td>0.302</td>
<td>0</td>
<td>0.434</td>
<td>Large effect</td>
</tr>
<tr>
<td>BP</td>
<td>PAS</td>
<td>0.479</td>
<td>0.325</td>
<td>0.296</td>
<td>Medium to large effect</td>
</tr>
<tr>
<td>BP</td>
<td>IP</td>
<td>0.479</td>
<td>0.411</td>
<td>0.130</td>
<td>Small to medium effect</td>
</tr>
</tbody>
</table>

To test Hypothesis 4: “Innovation performance has a mediating effect on the relationship of pro-growth absorptive strategy and business performance”, we calculate the mediating effect of IP since PAS has a direct and indirect effect on BP. The result of the mediating effect in the path model is presented in Table 5.

### Table 5
Mediating effects of Innovation Performance

<table>
<thead>
<tr>
<th>Construct</th>
<th>Mediating construct</th>
<th>Direct effect (DE)</th>
<th>Indirect effect (IE)</th>
<th>Total Effect (TE)</th>
<th>Mediating effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAS → IP</td>
<td>-</td>
<td>0.550</td>
<td>0</td>
<td>0.550</td>
<td>-</td>
</tr>
<tr>
<td>PAS → BP</td>
<td>IP</td>
<td>0.311</td>
<td>0.259</td>
<td>0.570</td>
<td>Partial mediating</td>
</tr>
<tr>
<td>IP → BP</td>
<td>-</td>
<td>0.470</td>
<td>0</td>
<td>0.470</td>
<td>-</td>
</tr>
</tbody>
</table>

Based on the calculation, this mediating effect of IP can strengthen the effect of PAS on BP. The indirect effect of PAS on BP through IP is smaller than its direct effect. In this model, innovation performance can be a partial mediating variable for the pro-growth absorptive strategy to intensify business performance. In other words, the pro-growth absorptive strategy may behave as an important factor in the business performance of the commercial banks, and its contribution will be slightly better if it is through innovation performance.

The empirical settings of commercial banks in Indonesia prove that the pro-growth absorptive strategy is important to initiate and implement innovation performance. This finding supports the research of Xie, Zou, & Qi (2018) that the strategy to absorb and utilize the knowledge has become an important process necessary for a firm to identify market opportunities and use new knowledge to realize innovation. In short, the pro-growth strategy must be in alignment with innovation performance to achieve better business performance.

The mediating effect of innovation performance proves that the pro-growth strategy will have more influence on business performance. The findings of this study then confirm the previous studies related to the interrelation of pro-growth absorptive strategy, innovation performance, and business performance (Florini, Lai, & Tan, 2012; Montinari & Rochlitz, 2014; Cooke, 2013; Castillo, Salem, & Guasch, 2012; Kneller & Stevens, 2006; and Cohen & Levinthal, 1990). It is also found that the banks must first stabilize the position of the financial aspects before initiate the pro-growth strategy and implement innovation performance.

### 5. CONCLUSION

The present study depicts the positive effect of pro-growth absorptive strategy and innovation performance on the business performance of commercial banks. This empirical study found that: (a) pro-growth absorptive strategy has a positive effect on innovation performance, (b) pro-growth absorptive strategy has a positive effect on business performance, (c) innovation performance has a positive effect on business performance, and (d) pro-growth absorptive
strategy may affect business performance directly and indirectly through innovation performance.

There are several managerial implications of this study. To maintain and improve business performance, the banks first have to focus on pro-growth absorptive strategy to initiate the implementation of innovation performance. To uplift the innovation performance, the managers of the banks should address to the exploitation stage in pro-growth absorptive strategy so that the employees can more intensively utilize knowledge in day-to-day operations and in creating new competencies needed by banks. To enhance business performance, especially in profitability, the managers need to periodically plan, implement, and evaluate the progress of developing new and excellent products/services.

This study may provide a broader understanding in terms of implementing strategies and their effects on the innovation and performance of a specific type of commercial banks (without including regional-owned banks and Islamic banks), which can be further validated in these other types of banks. Future research can analyze other types of banks and involve other factors such as knowledge sharing, as well as internal and external environments.

Acknowledgements
I give honour to the Almighty God for His grace and guidance that I have come this far in my academic career. I am thankful to BUDI program from LPDP for the continuous financial support for my study. Great appreciation goes to my supervisors Prof. Agus Rahayu, Assoc. Prof. Lili Adi Wibowo, and Assoc. Prof. Kusnendi who always encouraged, guided, advised and gave me moral support from the beginning up to the completion of this research. I would like sincerely to thank Prof. Ratih Hurriyati, the chairperson of post-graduate schools, Universitas Pendidikan Indonesia, who facilitated the publication of this manuscript. Also, thanks to Dr M. A. Ramdhany for the critical reviews and comments. My profound gratitude goes to my beloved wife and children for their unconditional love and support. Thank you all.

6. REFERENCES


