

3RD INTERNATIONAL **CONFERENCE ON BUSINESS ECONOMICS AND FINANCE** (ICBEF) PROCEEDINGS

1 - 3 NOVEMBER 2021

IN COLLABORATION WITH:













Third publication 2022 UBD School of Business and Economics

Rights reserved. It is not permitted to reproduce any part, article, illustration and contents of the book in any form and in any manner whether electronically, photocopy, recording or other meansbefore obtaining written permission from UBD School of Business and Economics, Negara Brunei Darussalam

3RD INTERNATIONAL CONFERENCE ON BUSINESS, ECONOMICS AND FINANCE (ICBEF) PROCEEDINGS

Published by:
UBD School of Business and Economics
Universiti Brunei Darussalam
Negara Brunei Darussalam

Perpustakaan Dewan Bahasa dan Pustaka Brunei Pengkatalogan Data-dalam-Penerbitan

INTERNATIONAL conference on business, economics and finance (1-3 November: 2021: Bandar Seri Begawan)

3rd international conference on business, economics and finance (ICBEF) proceedings, 1 - 3 November 2021. -- Bandar Seri Begawan: UBD School of Business and Economics, Universiti Brunei Darussalam, 2022.

501 pages; 21.0 cm x 29.7 cm ISBN 978-99917-1-362-5 (e-book)

1. Business -- Congresses 2. Economics -- Sociological aspects -- Congresses 3. Financial crises -- Congresses 4. Covid-19 (Disease) -- Economic aspects I. Title

330.9 INT (DDC 23)

DOI: https://doi.org/10.36924/20220

3RD INTERNATIONAL CONFERENCE ON BUSINESS ISBN 978-99917-1-362-5 ECONOMICS AND FINANCE (ICBEF)
PROCEEDINGS

[E-book]

9 789991 713625



Table of Contents

Reviewing the returns for Brunei Darussalam's pension system
Implementation of the New Performance Appraisal System in the Brunei Public Sector: Initial Reactions
Examining the Spatial Spillover Effects of ICT on Economic Growth: Evidence from the ASEAN Economies
Telco Turning Digital & Innovation: How to Shape Digital Transformation, Monetize with Digital Offerings across the Customer Journey11
Strategic collaboration between Rural Banks (Bank Perkreditan Rakyat) and Fintech P2P Lending; Case Study ANS Group BPR
Antecedents of Exhibitors' Acceptance Toward Progressive Rates of Exhibition Space Rental in Thailand
The Attractiveness of 2nd Tier City in Thailand for Corporate Meeting & Incentive Industry Success: Covid Era
Performance Appraisal from a Multi-Level Perspective: Case Study of a Government-Linked Company 15
An Examination on The Effectiveness of Contest Through Social Media Platforms on Attitudes toward the Company and Purchase Intention
Re-thinking Malaysian Universities' Business Models – Building sustainable Business School graduates 17
Adopting Drone Technology as An Alternative for A Forthcoming Transportation Designed For Online Shoppers: Are We Ready?
MICE Experts' Views on Outcome-Based Education Curriculum Development in Muslim-friendly Meetings and Exhibition Management in Thailand
The Effects of Blockchain Adoption on 'Sertu' Cleansing in Halal Logistics Operation: A Case Study on Halal Logistics Operation in Klang Valley21
Digital Ecosystem: A Preliminary Framework to Measure the Health of an Ecosystem22
Factors Influencing The Engagement of Youth in Agropreneurship: Malaysian Perspectives23
Depression, Anxiety and Stress among Tertiary Students during Covid-19 lockdown and its Related Coping Strategies: A Cross Sectional Survey in Emerging Economies24
MICE Venue Management Perspective Towards ASEAN MICE Venue Standards
Purchase Abandonment in In-store Shopping27
Assessment of Fisheries Co-Management in Sarawak, Malaysia28
The Development of Anti-Corruption Disclosure Index for Malaysian Companies29
Assessing the Effectiveness of Competition-based Learning Winning Video as a Pedagogical Tool in Preparing Business Plan among Accounting Undergraduate Students
The year that the world stops: Pandemic, religiosity and sustainability affecting Muslim consumers \dots 31
Effects of Work-Life Balance on Perceived Stress Amidst COVID 19: Evidence from a Malaysian Telecommunication Infrastructure Company

Rerouting Service Operation Management33
Recalibration of Cultural Landscape in Malaysia
Explaining Consumers' Intention to Purchase Products of Socially Responsible Organizations35
Social Darwinism, the economic implications in the context of COVID-19 & the Islamic perspective36
The Moderating Effect of Corruption on the Relationship between National Culture and Entrepreneurial Orientation: Evidence from Informal Enterprises in Hostile Environments
The Role of Domestic and Foreign Economic Uncertainties in Determining the Foreign Exchange Rate: An Extended Monetary Approach
Will Belt and Road Initiative Reshape Global Trade? Evidence from Network Analysis40
Structural Empowerment, Knowledge Self-efficacy, and Knowledge Application Behaviour: A proposed framework41
Islamic Social Finance, Institutional Quality and Stability of Islamic Banks42
Shariah Audit Development – A Survey of Literature43
An Exploratory Study on SMEs towards the Fourth Industrial Revolution: Their Readiness, Challenges and Opportunities
Divergent economic impact of COVID-19 in advanced and emerging economies45
Service Quality Design for Online Bootcamp Services: A Case at an Education Technology Start-up69
K-Means Clustering Approach to Categorize the Maturity Level of Industry 4.0 Technology Adoption of MSMEs in Brunei Darussalam
An Analysis of Senior Friendly Hotel Attributes in Contributing to Guest Loyalty: A Case Study of Hotels in Phuket, Thailand
Synergistic Effects of Public Health responses and Fiscal Policy Measures on Tax Morale of Entrepreneurial Firms during COVID-19 Pandemic in Nigeria
Public Private Partnership in Small States: The Case of Brunei Darussalam
Sustainable Human Resource Management Intervention through the Practice of Self-Certified Medical Leave within Civil Servant of His Majesty Brunei Darussalam
Effect of Social Media Communication and Customer Engagement on Brand Equity: A Conceptual Framework
Developing Business Sentiment Index for Brunei Darussalam
Developing the Residential Property Price Index for Brunei Darussalam
Market Timing Skills of ESG Equity Funds in Asia
Factors of Business-to-Business Success of Thai for Healthy Rice Industry
The Causal Relationship of Factors Affecting for Developing Strategies to Drive Business Employee Successors in Digital Industry of Thailand
Cross-functional Integration Focusing on Internal Productive Service Quality: A Case Study on New Product Development Speed
The intention to use the event technology between manager and operation level in Thailand269

A Pilot Study for Identify the Factor Influencing Productive Malaysian Cocoa Farmers (PMCF) Work Performance during Covid-19 Pandemic
OFD platform factors, customer experience, attitude and behavioral intention towards OFD service in southern of Thailand
Visitors' Demotivation in Attending Food and Beverage Exhibition During Covid-19 Pandemic Era: Case Study of Exhibition Venues in Songkhla
MICE Industry Demand Towards MICE Graduates Capacbility in Southern Thailand304
Post COVID-19 Marketing Strategies for MICE Venues in Songkhla316
Stakeholder's Perspective towards Music Festival during Post-COVID-19332
Resident Opinions on MICE Visitors'Arrival in Hatyai, Songkla during COVID-19 Pandemic356
Guidelines for Sustainable Event Development: A Case Study of Songkhla MICE Industry365
Assessing the Key Factors in Organizing the Virtual Incentive Travel
Financial Resilience in Brunei: An Exploratory Study on Emergency Savings, Insurance Uptake and Financial Literacy
COVID-19 Exposure: A Risk-Averse Firms' Response
The Improvement of Project Management Office by Using Integrated Performance Management System (Case: Improvement of Project Management Information System in Indonesia Gas Sub-Holding Company)
Entrepreneurial Fear of Failure in Incubated and non-Incubated Startups during Crises453
The Impact of Macroprudential Policy Instrument Minimum Statutory Reserve, MIR, and Capital Buffer to Bank Credit Growth in Indonesia
Small Firm Internationalization in Halal Food Industry of a Small Country: A Study of Brunei Darussalam
475

Cross-functional Integration Focusing on Internal Productive Service Quality: A Case Study on New Product Development Speed

Charoenrujitanon Chaiwata*, Jaroenwisan Kaedsirib

- ^a Faculty of Management Science Silpakorn University, Petchaburi IT Campus No.1, Petchaburi province 76120, Thailand
- ^b Faculty of Management Science Silpakorn University, Petchaburi IT Campus No.1, Petchaburi province 76120, Thailand
- * charoenrujitano c@su.ac.th

Abstract

Recently, unavoidable competitive environment and fast-changing in business circumstances have compelled companies to improve or replace products by generating the new-to-the-world products. New product development (NPD) is one essential strategy for companies to search the potential opportunities in order to gain competitiveness and be survival. Two crucial key success factors for generating new products are efficiency of new product development process (NPDP) and effectiveness of new product development speed (NPDS). Establishment of efficient NPDP and effective NPDS needs tremendous cross-functional integration and honorable team. The major objective of this study is to review the previous studies addressed in three antecedent factors, 1) internal productive service quality (IPSQ), 2) team effectiveness, and 3) knowledge sharing influence on NPDS. The question about how productive individual employees related to IPSQ impact on NPDS so that companies could deliver fast service to satisfy customer expectations. This paper seeks to review a gap model for explaining the gaps between internal customer expectations and internal provider perceptions of customer expectations. In conclusion, the study finds that the efficient and productive cross-functional integration potentially enhance internal productive service quality, team effectiveness, and knowledge sharing influence NPDS.

Keywords

Cross-functional integration (CFI), New product development process (NPDP), New product development speed (NPDS), Internal Productive service quality (IPSQ)

1. Introduction

In recent years, there has been a dramatic increase in competitive environment and complex business circumstances, companies intend to improve or replace products by generating the new-to-the-world products. Using internal sources, establishment in an efficient NPDP is one of crucial element for improvements, engendering product product modifications, new products, and new brands. Kotler and Armstrong (2021: 271) demonstrated that a number of companies pursue their NPDP starting with "idea generation, idea screening, concept development and testing, marketing strategy development, business analysis, product development, test marketing, and ending with commercialization". To speed up new products into the market, several companies conduct team-based product development With approach. regard to this approach, the linkages among different functional areas of organization have been adjoined the collaboration of overlapping in NPDP to save time and increase performance (Kotler & Armstrong, 2021). In addition, companies which have capabilities to enhance NPD speed by transforming new ideas to new products faster than competitors could potentially explore NPDS for delivering differentiate products, creating entry barriers, and carrying out new markets to remain competitiveness. Energetic NPDS requires internal productive integration of strong cross-functional team and honorable cooperation culture through a total-company (Zhu et al., 2019). Firms should therefore seek effective ways to interface interfunctional collaboration and take crossfunctional perspectives in developing their strategies to achieve NPDS.

Achieving the perspectives in crossfunctional integration are associated with the collaborations among marketing, R&D, production, procurement, and finance function that work together from start to finish in NPDP at concept development, product development, and commercialization stage positively relevant to sustainable NPD project performance (Genc & Benedetto, 2015). To enhance effective collaboration among inter-department towards NPDP, top management could make encouragement and commitment to build excellent interdepartmental working relationships.

Additionally, one way to accomplish the smooth cross-functional integration is to conflicts reduce potential between differences in perspective of marketing and manufacturing teams. For instance, their conflicts could be different understanding in productions' capacities and demandforecast. Furthermore, another possible conflict area is the complaint from marketing teams about the inactive response of manufacturing teams, while manufacturing teams criticize marketing teams about inaccurate sale forecasts (Maynard et al., 2020). These conflicts potentially convey NPDslow, product and lost sales and profits. failures, Eventually, new product success requires not only new ideas to simply NPDP but also efficient cross-functional integration to speed up NPD in order to deliver fast service to satisfy customer expectations.

There have been a number of longitudinal studies involving cross-functional integration, IPSQ and NPDS. Parker (2016: 3) has revealed that companies which have efficient cross-

functional integration could win high success in meeting objectives and achieve proactive team-integration. Moreover, several previous studies have indicated that cross-functional integration have a positive impact on NPDS (Parker, 2016). Zapatero, Benito, and Lannelongue (2017: 771) have illustrated that creation of effective cross-functional team has potentially been positive influence on NPDS (Gonzalez-Zapatero et al., 2017).

Nevertheless, very little previous studies have identified the specific factors such as IPSQ, team effectiveness, and knowledge sharing be relevant to NPDS and carried out in a small number of areas. Therefore, this systematic review paper aims to determine those gaps and investigate the relationship between cross-functional integration addressed in three antecedent factors, 1) internal productive service quality, 2) team effectiveness, and 3) knowledge sharing are positively associated with NPDS.

Drawing upon those objectives, this study attempts to derive a conceptual framework of the relationship among three variables by systematically reviewing previous researches. The findings could make a potential contribution to the field of effective linkages of cross-functional integration through NPDP to enhance NPDS outcomes for sustaining competitive advantage. The successful implementation of this concept could lead to develop and launch appropriate new products faster than competitors and firms can eventually sustain their profit.

Furthermore, the question about how productive individual employees related with IPSQ impact on NPDS so that companies could deliver fast service to satisfy customer expectations. This paper seeks to review a gap model by describing the gaps between internal customer expectations and internal provider perceptions.

To support the above-mentioned objectives, Section 2, literature review begins with reviewing the fundamental process of NPDP and the crucial roles of NPDS. Then, the of cross-functional integration review addresses in three antecedent factors consisted of 1) internal productive service quality 2) team effectiveness, and 3) knowledge sharing which could be the key components for success in NPDS. Section 3, the proposition development conceptual framework are presented in this section. Last, the remaining parts of this paper are discussion, conclusion and recommendation for further field research.

2. Literature review

Currently, several literatures on NPD pay particular attention to NPDP. There has been an increasing amount of literature on the key factors relevant to NPDS. However, very small number of previous studies is demonstrated specifically about insight cross-functional integration factors influence NPDS. Hence, this study attempts to review previous study by drawing on systematic reviews into developing the propositions and conceptual framework. The following section brings an indepth description of the association among variables as above-mentioned in the objectives of this study.

2.1 New product development process (NPDP)

Companies mostly establish a concrete R&D and marketing as a working team to carry out the potential new ideas for developing

new product innovations. Companies typically set up NPDP so that company have a systematic process for new product development. Kotler and Armstrong (2021: 271) demonstrated that a number of companies pursue their NPDP starting with "idea generation, idea screening, concept development and testing, marketing strategy development, business analysis, product development, test marketing, and ending with commercialization".



Figure 1: Major Stage in NPD (Kotler & Armstrong, 2021)

A longitudinal study of NPD decision process illustrated by Kotler and Keller (2016: 458-459) presents that several companies conduct the stage-gate system to detach each gate

into working stage. "The project leaders, working with cross-functional team, must bring a set of known deliverables to each gate before the project can pass to the next stage." To move from each gate to next stage, the sets of solid information for decisions are required. For instance, before making decision go or no-go from business analysis stage into product development need a solid and appropriate market research study of customer needs, demand and supply, a competitive situation, and a technical possibility. After that, head of stage gate or top management team reviews the proposal of each gate and makes a decision whether go, kill, hold or recycle (Kotler & Keller, 2016).

2.2 New product development speed (NPDS)

Although the NPDP has been set up clearly along with entire process, the lack of good collaboration among the team and slow responses across functions could make the delay of new product generation. This might lead to wrong decision whether kill or hold new products. Hence, NPDS represents how new ideas have been expedited through NPDP from idea generation stage to the end commercialization of new products in the markets. A number of recent evidences define that NPDS is an essential determinant, which have generous influence on new product performance (Cheng & Yang, 2019). Several attempts revealed in Zhu, Xiao et al. (2019) have been reported that rapid moving developments, fast changes in technology, and stringent pressure of competition, speed is an important determinant for driving NPD to change

market conditions. First launch in new ideas, accelerate product development process is able to enlarge firms' capability for generating new products and performance to take competitive advantage competitors. For instance, continuous development of technology and market changes in China, many companies over there have been stimulated to conduct NPD proactively and speed up in NPD process to provide new solutions to customers faster than competitors so that companies remain their competitive position in the market (Zhu et al., 2019).

According to Mostaghel et al. (2019: 603)'s study, the conclusion in their research has identified that "the complementary of marketing-manufacturing coordination, market intelligence quality, manufacturing supply chain coordination, and supply chain intelligence have been positively affected direct on product innovation performance" Moreover, In term of product innovation performance, efficient developments of new product innovation need the effectiveness and productiveness of team collaboration. For instance, Mostaghel et al. (2019: 597) also determined that increasing sufficient support and great internal collaboration between manufacturing and marketing is positively related to product innovation performance and increased in knowledge sharing (Mostaghel et al., 2019).

However, Nisula & Kianto, 2018 sited in Cheng and Yang (2019: 216) demonstrated that there have reported incompatible and opposite results regarding the benefits of NPDS. Two reasons of conflict of prior results have been explained that first, the role of generating products in the early stage of

NPDP has been neglected. Second, creativity factor has been treated as a single construct and associated with NPDS. Hence, the conflict finding of previous studies could be recognized and needed further empirical researches.

Several studies have revealed an association between NPD as a strategic orientation and performance outcomes. The empirical results have been mixed both positive and negative effect. A number of research have found positive associations between NPD strategic orientation, **NPDS** and performance outcomes. A clear strategic orientation could be an important success indicator of firm performance, including NPDS. In contrast, many studies have had opposite results reported that taking up a strategic orientation only is not ample for successful NPD outcomes. Hence, understanding clearly of the relationship between strategic orientation and NPD performance requires constructive interest in specific influence factors such as "innovativeness, knowledge competitive strength, co-worker relationship quality and environmental forces"(Mu et al., 2016). The effect on NPD performance are significant researches agenda. To meet this aspect, cross- functional integration could promote throughout the associated team.

2.3 Cross-functional integration (CFI)

In general, most firms conduct organization charts, line of commands, functionalities and work-flow procedures so that managements can organize businesses constructively. The meaning of cross-functional team illustrated by Tsuji, Ueki et al. (2017) is that "an organizational arrangement for the

exchange, dissimulation and sharing of different views or opinions from different sections of a firm that are related to innovation and which become a basis for creating new ideas" (Tsuji et al., 2017).

Cross-functional integration is of one significant driver of new product success. Generating new products typically need interdisciplinary perspectives and multidepartmental collaborations across different functions along with NPDP which can lead to speed up NPD successfully and earn positive results of new product performance. Linkage across functions grant crucial benefits for the NPDP, including encouraging new idea generation (Genc & Benedetto, 2015). This review presents the association between productive, efficient, and effective internal cross-functional integration and NPDS.

2.4 Internal productive service quality (IPSQ)

According to afore-mentioned, the present study on CFI has paid particular attention to internal service quality. Wirtz and Lovelock (2018: 54, 454) describes the meaning of service quality based on the expectancydisconfirmation model of satisfaction that "in this model, confirmation or disconfirmation of pre-consumption expectations is essential to determinant of satisfaction". During and after customers' consumption, customers appraise the difference between their substantial experience gained from services and their expectations. If services can be delivered to them consistently and better than expectations, customers' satisfaction will be positive confirmation. In contrast, if service performances are worse than

expectations, customers' satisfaction will be negative disconfirmation. From internal user's perspective, productive service quality is a high standard of service performance that could be meet or exceed their expectations (Wirtz & Lovelock, 2018).

To better understand the difference expectations between customer and perceptions, Zeithaml, Bitner et al. (2013: 35) demonstrated that in a perfect world, the customer gap between their perceived services and expected services would be interchangeable. However, in a real world, there are some distance between customer expectations and perceptions (Zeithaml et al., 2013). The important point is how to identify and correct service quality in order to improve service performance to meet or exceed customer expectations. According to the gap model illustrated by Zeithaml, Bitner, et al. (2013: 45), there are four provider gaps, "Gap 1: the listening gap, Gap 2: the service design and standards gap, Gap 3: the service performance gap and Gap 4: the communication gap". The key of success in service quality improvement is to close provider gaps 1 through 4 constantly (Zeithaml et al., 2013). As well as, Wirtz and Lovelock (2018: 451) adapted and extended full conceptual gap model from Zeithaml, Bitner, and Gremler to identify six gaps, "Gap 1: the knowledge gap, Gap 2: the policy gap, Gap 3: the delivery gap, Gap 4: the communications gap, Gap 5: the perceptions gap, and Gap 6: the service quality gap". Based on Wirtz and Lovelock study, the most significant gap which need to be close is gap 6, the service quality gap. Hence, the service providers could intent to close this gap as much as possible for

improving service quality productively (Wirtz & Lovelock, 2018).

In term of internal marketing view, an employee-centric activity is one of key in external marketing. engagement of employee satisfaction and motivation by overcoming organizational resistance to internal change, motivating, across functionality cooperating and integrating employees could create customer satisfaction certainly. Additionally, establishing productive service quality to internal customers within the organization could enhance positive impact on better service quality to outside customers (Pomirleanu et al., 2015). Internal service quality reviewed in Lin et.al (2021)'s research reflects the perception of employees serve colleagues outside their units to deliver better services to external customers. Providing excellent services across effective functions to satisfy customers is essential and this could enhance the value propositions to customer(Lin et al., 2021).

2.5 Team effectiveness

In the aspect of NPD organization, the exchange and sharing of different new ideas among the team related to new idea generation could potentially conglomerate ideas to constitute new creations through powerful communication. Cross-functional integration in term of team effectiveness has been recognized not only in the context of innovation but also solving problems in general. There have been a number of previous studies involved with the conditions relevant to cross-functional team Description effectiveness. team effectiveness has been described in Parker's research (2016: 3) that team effectiveness is

the degree of effective team unity between two groups in which they perceived worthy achievement, as well as behave in productive integration. For instance, according to Tsuji et al. (2017: 198)'s report,"the R&D group promotes innovation by effective crossfunctional teams of production, engineering, marketing, and IT use". Another example regarding social identity theory, Ambrose and Rutherford (2016) cited in Ambrose, Matthews et al. (2018) addressed that the more collaboration among sales operation planning, the more team effectiveness couldbe achieved. Their studies also confirmed that the crucial greatcoordinated and effective team identity in achieving sales and operation planning performance have enhanced acceleration of collaboration in having exclusive alignment for inter- department goals (Ambrose et al., 2018). To narrow down into NPDP, a few studies in functional collaboration focus on specific performance measure of NPDS. CFI has been demonstrated as a particle NPD accelerator. However, currently, a number of researcheshave tended to focus on studying in certain specific cross-functional integration effect on NPDS, such as the establishment cross- functional teams, the use of integration methods, technology synergy, or quality function deployment impact on NPDS. All those previous study helps to understand how these precedents potentially impact on NPDS lead to achieve company goals (Gonzalez-Zapatero et al., 2017).

2.6 Knowledge sharing

In the aspect of NPD organization, the exchange and sharing of different new ideas among the team related to new idea

generation could potentially conglomerate ideas to constitute new creations through powerful communication. With regard to knowledge-sharing behavior (KSB) approach, KSB is a part of knowledge management that managers have been interested in implementing knowledge sharing amongst team members in order to improve team efficiency and to perform a success in new service development projects (Hussain et al., 2020).

According to Keszey's research in 2018 addressed that knowledge management has certainly influenced innovation development. Wang and Noe (2010) cited in Keszey (2018: p.1061) reported that "knowledge sharing is the fundamental means by which employees contribute to knowledge application and innovation". The recognition of employees' knowledge sharing is useful for companies to capitalize their knowledge resources. Keszey's study concluded that boundary spanners' knowledge sharing has a positive direct impact on NPD innovativeness, NPDS and new product performance (Keszey, 2018).

3. Proposition development and conceptual framework

This section has ascertained the result of present study shows that the complementary of cross-functional integration addressed in three factors: 1) internal productive service quality, 2) team effectiveness, and 3) knowledge sharing influence positively NPDS. Consequently, it could conceivably be reasonable to propose three propositions as follow:

Proposition 1: Internal productive servicequality is positively related with NPDS.

Proposition 2: Team effectiveness is positively related with NPDS.

Proposition 3: Knowledge sharing is positively related with NPDS.

A conceptual framework shown in Figure 2 describes the relationship of cross-functional integration comprised of: 1) internal productive service quality, 2) team effectiveness, and 3) Knowledge sharing influence NPDS. The contribution of this conceptual model could be applied for further study.

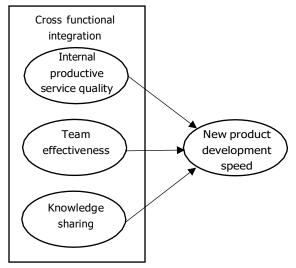


Figure 2: Schematic diagram of the association among dependent variables and independent variable

4. Discussion/Conclusion

Recently, unavoidable competitive environment and fast-changing in business circumstances have compelled companies to improve or replacement products by generating the innovative products. NPD is essential for companies to improve their new products to gain competitive advantage and be survival. One of crucial key success factor is NPDS. Establishments of efficient NPDP for increasing NPDS requires a fantastic crossfunction integration and honorable team. The aim of this paper is to investigate and systematically review prior studies that IPSQ, team effectiveness, and knowledge sharing influence NPDS.

According to NPD stage, from idea generation to commercialization, there are several success factors relevant to achievement of NPDS. One of significant aspects is crossfunctional integration. Rather than leaving new-product development to someone in an organization work alone, across interdepartmental function in NPDP such as R&D, productions, planning, procurement, and marketing must work together and hand over there tasks along with NPDP efficiently, as well as deliver productive service quality to colleagues inside an organization. Team effectiveness importantly conglomerate ideas to construct new creations and carry out smooth workflow across functional integration. Furthermore, knowledge sharing among the team could be able to generate the exchange and agglomeration of different new ideas through effective communication.

In summary, the findings of this study illustrate that IPSQ, team effectiveness, and knowledge sharing, are positively associated with NPDS. However, a number of important limitations need to be considered. First, this study concentrates on systematic review of previous study. Although there are several studies about NPDP, there is very little

research in specific factors related with NPDS. Second, present study focuses on the association between the three dependent variables and NPDS. Other factors could be possibly identified by subsequent studies. Last, unfortunately, this study does not include the results of managers' interview. It would be interesting to compare experiences of individuals within any selective industry for further research. In addition, more field research is needed to better understanding when implementation ends and would scope the area of study such as specifically by industry, geography, type of products and so on.

References

Ambrose, S. C., Matthews, L. M., & Rutherford, B. N. (2018, 30 July 2018). Crossfunctional Teams and Social Identity Theory: A Study of Sales and Operations Planning (S&OP) [Research paper]. *Journal of Business Research*, 0148-2963(92), 270-278.

Cheng, C., & Yang, M. (2019, 27 February 2019). Creative Process Engagement and New Product Performance: The Role of New Product Development Speed and Leadership Encouragement of Creativity[Research paper]. Journal of BusinessResearch, 0148-2963(99), 215-225.

Genc, E., & Benedetto, C. A. D. (2015, 25 February 2015). Cross-functional Integration in The Sustainable New Product Development process: The role of the environment specialist [Research article]. Industrial Marketing Management, 0019-8501, 1-12.

- Gonzalez-Zapatero, C., Gonzalez-Benito, J., & Lannelongue, G. (2017, 6
 September 2017). Understanding How The Functional Integration of Purchasing and Marketing Accelerates New Product Development [Research article]. International Journal of Production Economics, 0925-5273(193), 770-780.
- Hussain, M., Hassan, H., & Johns, R. (2020, 13 July 2020). Paradigm of New Service: Development Projects (NSDPs): "One Basket Fits all" [Research paper]. Journal of Contemporary Marketing Science, 3(3), 303-331.
- Keszey, T. (2018, 7 January 2018). Boundary Spanners' Knowledge Sharing for Innovation Success in Turbulent Times [Research article]. Journal of Knowledge Management, 22(5), 1061-1081.
- Kotler, & Armstrong. (2021). *Principles of Marketing (18th ed.)*. Pearson Education Limited.
- Kotler, & Keller. (2016). *Marketing Management (15th ed.)*. Pearson Education Limited.
- Lin, Ling, Liu, & Hu. (2021, 29 May 2021). The Effects of Service Climate andInternal Service Quality on Frontline Hotel Employees' Service-orieted Behaviors. International Journal of Hospitality Management, 97(0278-4319), 1-10.
- Maynard, M. T., Falcone, E. C., Petersen, K. J., Fugate, B. S., & Bonney, L. (2020, 12 May 2020). Conflicting Paradigms in Manufacturing and Marketing Decisions: The Effects of Situational

- Awareness on Team Performance [Research article]. *International Journal of Production Economics*, 0925-5273(230), 1-14.
- Mostaghel, R., Oghazi, P., Patel, P. C., Parida, V., & Hultman, M. (2019, 25 February 2019). Marketing and Supply Chain Coordination and Intelligence quality: A Product Innovation Performance Perspective [Research paper]. Journal of Business Research, 0148-2963(101), 597-606.
- Mu, J., Thomas, E., Peng, G., & Benedetto, A. D. (2016, 23 August 2016). Strategic Orientation and New Product Development Performance: The Role of Networking Capability and Networking Ability [Research paper]. Industrial Marketing Management, 0019-8501, 1-15.
- Parker, H. (2016, 1 April 2016). Team Effectiveness and Open Discussion of Conflict in Collaborative New Product Development: A Cross- national Study. *Journal of Business Research*, 0148-2963, 1-6.
- Pomirleanu, Mariadoss, & Chennamaneni. (2015). Managing Service Quality in High Customer Contact B2B Services Across Domestic and International Markets. *Industrial Marketing Management*, 0019-8501(MM-07258), 1-13.
- Tsuji, M., Ueki, Y., Shigeno, H., Idota, H., & Bunno, T. (2017, 17 November 2017). R&D and non-R&D in The Innovation Process Among Firms in Asean Countries [Research paper]. European Journal of Management and Business Economics, 27(2), 198-214.

- Wirtz, & Lovelock. (2018). Essentials of Services

 Marketing (3rd ed.). Pearson

 Education Limited.
- Zeithaml, Bitner, & Gremler. (2013). Sevices Marketing (6th ed.). McGraw-Hill.
- Zhu, X., Xiao, Z., Dong, M. C., & Gu, J. (2019, 24 May 2019). The Fit Between Firms'
 Open Innovation and Business Model for New Product Developmentspeed:
 A contingent perspective.
 Technovation, 0166-4972, 75-85.