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“Navigating the Blue Economy: Sustainable Development Goals and Trends in
Economics, Business, Management, and Information Technology”

FACULTY OF ECONOMICS,
SANATA DHARMA UNIVERSITY

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May 25, 2024



Faculty of Economics
Sanata Dharma University
Yogyakarta

THE 3RD INTERNATIONAL CONFERENCE ON ECONOMICS, BUSINESS, AND
MANAGEMENT RESEARCH (ICEBMR) “Navigating the Blue Economy: Sustainable
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Technology”

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PREFACE

Welcome to the 3rd International Conference on Economics, Business, and Management Research (ICEBMR) 2024. We are thrilled to present a compilation of pioneering research and insightful discussions under the theme “Navigating the Blue Economy: Sustainable Development Goals and Trends in Economics, Business, Management, and Information Technology”. As we navigate the complexities of sustainable development, we are reminded of Sylvia Earle's words: “The ocean is the cornerstone of Earth’s life support system. It shapes climate and weather. It holds most of life on Earth. The ocean provides a living for countless people, and it’s the engine of our economy”. This is a powerful statement that underscores the critical role of the blue economy in our global ecosystem and economic stability for sustainable development and the well-being of present and future generations.

The 3rd ICEBMR serves as a vital platform for academics, industry professionals, and policymakers to exchange ideas, foster collaborations, and develop forward-thinking solutions that align with the Sustainable Development Goals (SDGs). This year's online conference breaks geographical barriers, bringing together a diverse and interdisciplinary group of participants committed to advancing knowledge and practice in the blue economy. Our sessions cover essential topics such as marine resource management, sustainable business models, economic policies for ocean conservation, and the integration of advanced information technology to support these initiatives.

We extend our heartfelt gratitude to the reviewers for their invaluable contributions and to the authors for their exceptional research. We were honoured to feature keynote addresses from distinguished experts who have made significant strides in economics, business, management, **entrepreneurship**, and information technology. Their insights provide a broader understanding of the challenges and opportunities in achieving sustainable development through the blue economy. Special thanks are due to our host institution, Sanata Dharma University, for providing the platform and resources that facilitated an enriching and seamless online conference experience. We hope the knowledge shared and the connections forged at the 3rd ICEBMR will inspire ongoing research and innovative practices, contributing to a sustainable and prosperous future. Thank you for your participation and engagement. We eagerly anticipate your involvement in future conferences.

T. Handono Eko Prabowo, MBA, Ph.D.
Organizing Committee

TABLE OF CONTENTS

PREFACE	iii
TABLE OF CONTENTS	iv
OUR COMMON OCEAN: HARMONIC PLAYGROUND OR CHAOTIC BATTLEFIELD	
Professor James J. Spillane, S.J.	1
CHINA ACTION IN WATERS AROUND NATUNA, A CHALLENGE TO INDONESIA'S BLUE ECONOMY SOVEREIGNTY	
Antonius Diksa Kuntara 關拉迪.....	17
WHAT FACTORS INFLUENCE THE USE OF BELAJAR.USD LEARNING MANAGEMENT SYSTEMS? AN ANALYSIS OF TAM 3 BASED ON LECTURER'S VIEW	
Ignatius Aryono Putranto	32
APPLYING CAPABILITY APPROACH IN THE CONTEXT OF CREDIT UNION DIGITAL TRANSFORMATION	
Stephanus Eri Kusuma.....	45
POLITICAL CONNECTION, AUDIT COMMITTEE CHARACTERISTICS, AND RELATED PARTY TRANSACTIONS DISCLOSURE IN INDONESIAN COMPANIES – A QUALITATIVE RESEARCH	
Hastuti Widyaningsih ¹ , Didi Achjari ² , Rusdi Akbar ³ , Fuad Rakhman ⁴	54
SUSTAINABLE BRANDING STRATEGIES OF NIGERIAN BOTTLING COMPANY (COCA-COLA): ENHANCING CONSUMER PERCEPTIONS IN NIGERIA'S BLUE ECONOMY	
Lydia Nkechi Philip	66
DIGITAL INNOVATION IN BUSINESS AND ECONOMY: COLLABORATION OF BACK- OFFICE AND FRONT-OFFICE EMPLOYEES WITH ADVANCED TECHNOLOGY IN FACILITATING SEAMLESSNESS SERVICE QUALITY DELIVERY IN HOTEL INDUSTRY	
William Paulo Msilu ¹ : Antonius Sumarwan ²	79
EXPLORING AESTHETIC VALUE: HOW IT MEASURED? DOES IT AFFECT THE SATISFACTION AND LOYALTY OF GALLERY VISITORS?	
Joko Subiharto ¹ , Basu Swastha Dharmmesta ² , Bayu Sutikno ³ , Sari Winahjoe Siswomihardjo ⁴	95
ECONOMIC GROWTH AND POVERTY ALLEVIATION: REINFORCING THE DIGITAL DIVIDE TOWARDS POVERTY REDUCTION-A SYSTEMETIC LITERATURE REVIEW	
Nambassa Gloria ¹ , Achmad Nurmandi ²	114
A STUDY ON PROMOTING TANZANIA'S CULTURAL HERITAGE THROUGH THE LENS OF INDONESIA: <i>CROSS-CULTURAL COMPARISON</i>	
Maryness Patrick ^{1*} , Antonius Sumarwan ²	124

EXAMINING THE COLLABORATION AMONG ACTORS IN MANAGING SUSTAINABLE TOURISM: A CASE STUDY OF KASONGAN TOURISM VILLAGE . 145

Edward Phabiano^{1*}; Antonius Sumarwan²

NAVIGATING INDONESIA’S BLUE ECONOMY: LESSONS LEARNED FROM LITERATURE

Firma Sulistiyowati¹, Novita Dewi²..... 160

THE MEDIATING EFFECT OF POSITIVE EMOTIONS ON MEMORABLE TOURISM EXPERIENCE AFFECT TOWARDS BEHAVIORAL INTENTIONS

Helena Yovita Junijanto¹, Yulia Arisnani Widyaningsih² 165

ANALYSIS OF PERCEIVED USEFULNESS, PERCEIVED CONVENIENCE, AND PERCEIVED TRUST ON CUSTOMER LOYALTY WITH CUSTOMER SATISFACTION AS A MEDIATING VARIABLE STUDY ON BCA MOBILE

Yohanes Yorico Agasta¹ 177

THE EFFECT OF ZAKAT, INFAQ, AND SADAQAH (ZIS), TAXES, AND SUBSIDIES ON REDUCING POVERTY LEVELS IN INDONESIA

Huswatun Hasanah¹, Fredy Julio Ghaniy², Rangga Dzaki Saputra³, Ririn Nopiah⁴..... 190

THE EFFECT OF INVESTMENT ON ECONOMIC GROWTH IN EAST KALIMANTAN DURING THE COVID-19 IMPACT

Azizah Agustina¹, Ririn Nopiah² 202

ANALYSIS OF THE EFFECT OF ECONOMIC GROWTH, HUMAN DEVELOPMENT INDEX, STUNTING PREVALENCE AND OPEN UNEMPLOYMENT ON POVERTY IN YOGYAKARTA

Daniel Diva Pradiptayoga¹, Laurentius Bambang Harnoto²..... 213

THE EFFECT OF POVERTY AND ECONOMIC GROWTH ON THE HUMAN DEVELOPMENT INDEX BENGKULU PROVINCE

Rivaldo Nurvin Ray¹, Ririn Nopiah² 225

THE ROLE OF RETAIL INVESTORS, CULTURAL DISTANCES, AND INCOME INEQUALITY IN SOUTH EAST ASIA STOCK MARKET DEVELOPMENT

Dwitya Aribawa 233

THE INFLUENCE OF SOCIAL MEDIA, RISK PERCEPTION, FINANCIAL LITERACY, AND RELIGIOSITY ON THE INVESTMENT INTEREST OF SANATA DHARMA STUDENTS IN THE BIBIT APPLICATION

Adika Grace Valentine Dami¹, Pierina Prima Utomo²..... 240

THE MEDIATING EFFECT OF SERVICE QUALITY ON STORE LAYOUT EFFECT TOWARD REPURCHASE INTENTION AT INDOMARET

Pande Putu Yuda Raditya Gunasta Putra¹, Helena Yovita Junijanto², Upayana Wiguna Eka Saputra³ 254

THE INFLUENCE OF PERSONALITY TRAITS IN THE GREEN PURCHASING BEHAVIOUR OF YOUNG CONSUMERS SOCIOLLA INDONESIA MEDIATING BY CONSUMER ENVIRONMENTAL CONCERN

Devina Meilasari ¹ , Silvester Ade Alvino Angelson Pardede ²	263
THE INFLUENCE OF E-WOM, CELEBRITY ENDORSEMENT, AND CUSTOMER REVIEWS ON PURCHASE INTENTION STUDY ON CONSUMERS OF BLOOMERY PATISSERIE YOGYAKARTA	
Adela Hapsari Banowati ¹ , Putri Rahayu ² , Salsabila Eka Herawati ³	270
THE EFFECT OF PRODUCT QUALITY, INFLUENCERS, AND PRICE ON PURCHASING DESCISIONS FOR IMPLORA URBAN LIP CREAM MATTE (STUDY ON CONSUMERS OF IMPLORA PRODUCTS SERIES 12 BROWN SUGAR)	
Arthita Valsanda ¹ , Marcella Oktaviani Gudin ²	285
OPTIMIZING JOB SATISFACTION: THE ROLE OF COWORKER SUPPORT AND WORK MOTIVATION AT PT KERETA API INDONESIA UPT BALAI YASA YOGYAKARTA	
Romadhon Setya Aldhi Pangestu ¹ , Ignatius Soni Kurniawan ²	297
THE INFLUENCE OF GREEN DIGITAL MARKETING, BRAND AWARENESS AND CELEBRITY ENDORSEMENT ON CONSUMER LOYALTY FOR WARDAH COSMETIC PRODUCTS	
Jane Valentina Halim ¹ , Ivone Febianti ²	308
THE INFLUENCE OF PRICE AND PRODUCT QUALITY ON THE PURCHASE DECISION OF 'Le Minerale' PRODUCTS	
Franklin Fernando ¹ , Joni ² , Gunanda ³	325
LIFESTYLE AND INCOME: DETERMINANTS OF GENERATION Z'S FINANCIAL MANAGEMENT	
Marcelina Estuningrum ¹ , Cong Cong Sin ² , Christina Heti Tri Rahmawati ^{3*}	335
THE INFLUENCE OF WOMEN'S INVOLVEMENT ON THE HUMAN DEVELOPMENT INDE IN THE COASTAL AREAS OF INDONESIA	
Khoirul Atmono ¹ , Ririn Nopiah ²	348
PM _{2.5} -AIR POLLUTION: DETERMINING FACTORS OF AIR QUALITY IN PROVINCES ON THE ISLAND OF JAVA	
Hotlan Rafles Priyadi Lubis ¹ , Antonius Budisusila ²	359
THE INFLUENCE OF PRICE, PROMOTION, AND SERVICE QUALITY ON BUYING INTEREST IN ONLINE CLOTHING ON THE SHOPEE PLATFORM	
Fransiska Intan Indyastuti ¹ , Marcellina Santika Gitaratri ²	372
THE INFLUENCE OF ABILITY, MOTIVATION, AND OPPORTUNITY (AMO) ON EMPLOYEE PERFORMANCE	
Sonia Siscabella ¹ , Antonius Sumarwan ² , Pande Putu Yuda Raditya Gunasta Putra ³	383
UTILIZATION OF ANALYTICAL HIERARCHY PROCESS (AHP) AS A DECISION SUPPORT SYSTEMFOR STUDENT ORGANIZATIONS DEVELOPMENT PRIORITY (CASE STUDY AT JKMK SANATA DHARMA UNIVERSITY)	
Sammuel	390
THE EFFECT OF UNEMPLOYMENT, EMPLOYMENT, AND INVESTMENT ON POVERTY IN BENGKULU PROVINCE	

Melvi Lestari ¹ , Ririn Nopiah ²	398
THE INFLUENCE OF BRAND AWARENESS, PERCEIVED QUALITY, BRAND ASSOCIATION, AND BRAND LOYALTY ON BRAND EQUITY OF APPLE PRODUCTS (CASE STUDY OF STUDENTS OF THE FACULTY OF ECONOMICS, SANATA DHARMA UNIVERSITY)	
Gemma Galgani Karolina Nago ¹ , Maria Anggriani Jehamu ^{2*}	408
THE INFLUENCE OF ECO-BRAND, ECO-LABEL, AND ENVIRONMENTAL ADVERTISING ON CONSUMER PURCHASE INTENTION OF AQUA RECYCLE PLASTIC BOTTLE BRAND	
Nafi' Hayyu Nur Afin ¹ , M Amelia Pratiwi ²	424
ANALYSIS OF THE INFLUENCE OF LOCAL TAXES, CAPITAL EXPENDITURES, GOODS AND SERVICES EXPENDITURES AND DOMESTIC INVESTMENT ON ECONOMIC GROWTH IN SUMATRA	
Huswatun Hasanah ¹ , Syaumi Irfan ² , Wardatul Fara ³	436
DETERMINANTS OF LOCAL REVENUE IN BENGKULU PROVINCE	
Feny Gusti Wijayanti ¹ , Ririn Nopiah ²	445
ANALYSIS OF LIQUIDITY RATIO, PROFITABILITY, AND SOLVABILITY TO EVALUATE THE PERFORMANCE OF PHARMACEUTICAL COMPANIES LISTED ON INDONESIA STOCK EXCHANGE (BEI) DURING THE PERIOD 2021-2023	
Theresia Tuto Ladjar ¹ , *Hilaria Sonya Swasti ²	457
STRATEGIC PLANNING IN TOURISM DEVELOPMENT IN SIMALUNGUN REGENCY, LAKE TOBA	
Silvia Yulianti Sinaga ¹ , Amie Kusumawardahni ²	472
ANALYSIS OF STRUCTURE, CONDUCT, PERFORMANCE OF AGRO-INDUSTRY IN THE DAERAH ISTIMEWA YOGYAKARTA (DIY) IN 2016 USING THE INPUT OUTPUT APPROACH	
Galardialga Kustanto ¹ , Laurentius Bambang Harnoto ²	487
THE EFFECT OF HUMAN DEVELOPMENT INDEX, ECONOMIC GROWTH, ON POVERTY IN BENGKULU PROVINCE IN 2020-2022	
Meriani ¹ , Ririn Nopiah ²	499
THE INFLUENCE OF INFLUENCER MARKETING, ONLINE CUSTOMER REVIEWS, AND LIVE STREAMING MARKETING ON SKINCARE PURCHASINGDECISIONS AT TIKTOK SHOP FOR SANATA DHARMA UNIVERSITY STUDENTS	
Nathasa Putri Virgilia ¹ , Sicilia Mutiara Syane ²	514
BEYOND LIKES AND FOLLOWS: HOW AI INFLUENCERS DRIVE REAL SALES FOR INDONESIAN MSMEs	
Edy Suandi Hamid ¹ , Bhenu Artha ²	529
THE INFLUENCE OF USING E-WALLETS AND DISCOUNTS ON IMPULSE BUYING IN THE MARKETPLACE	
Ignatia Dayang Filany ¹ , Natalia Ratri Cahyanti Putri ²	543

THE EFFECT OF ELECTRIC ENERGY, HUMAN DEVELOPMENT INDEX, AND LABOR
ON ECONOMIC GROWTH IN INDONESIA

Rangga Dzaki Saputra¹, Ririn Nopiah² 555

THE INFLUENCE OF WORK LIFE BALANCE, WORK LOAD, AND WORK
ENVIRONMENT ON THE PERFORMANCE OF WOMEN TEACHERS WITH JOB
STRESS AS A MEDIATION STUDY OF FEMALE TEACHERS AT GOLEWA RAYA
DISTRICT HIGH SCHOOL

¹Yoseva Yuliana Dh Ruju, ²H. Herry Maridjo, ³Th. Sutadi 564

EFFECT OF HEALTH SPENDING, GRANT SPENDING AND TAXES ON ECONOMIC
GROWTH ON SUMATRA IN 2019 – 2021

Nyimas Yovita Fitriani¹, Fhadila Roza², Rangga Dzaki Saputra³ 578

THE INFLUENCE OF EXPERIENTIAL MARKETING, CUSTOMER VALUE, AND
TRUST ON CUSTOMER SATISFACTION AT WARUNG KOPI KLOTOK, KALIURANG,
YOGYAKARTA

Rachel Maria Simatupang¹, Sri Hartati Hutasoit² 590

THE INFLUENCE OF MOTIVATION AND WORK ENVIRONMENT ON EMPLOYEE
PERFORMANCE AT PT. MANDIRI UTAMA FINANCE

Wilhelmus Arwitra Dama¹, Nicholas Dima Prasetya² 603

THE INFLUENCE OF PROMOTIONS, USER EXPERIENCE, AND CUSTOMER
SATISFACTION ON SHOPEEPAY E-WALLET USER LOYALTY

Mega Linda Toga Torop¹, Jessica Putri Sinaga² 617

ANALYZING ELECTRIC VEHICLE CONSUMER PURCHASE INTENTION USING
PERCEIVED VALUE THEORY

*Nor Shadrina Maesaroh¹, Ike Janita Dewi² 629

THE IMPACT OF VOUCHERS, FREE SHIPPING, AND FLASH SALES ON PURCHASE
INTEREST IN THE SHOPEE FOOD APP: A CASE STUDY OF SANATA DHARMA
UNIVERSITY STUDENTS

*Lea Tosca Sidharta¹, Angela Yosanda Pradyasari² 638

THE INFLUENCE OF PROMOTION, PRICE AND PRODUCT QUALITY ON
PURCHASING DECISIONS FOR SKINCARE SKINTIFIC IN E-COMMERCE SHOPEE

Stefania Amalda Putri Frera¹, Cicilia Terra Mariska² 657

THE INFLUENCE OF EXPORTS, IMPORTS, MONEY SUPPLY AND INTEREST RATES
ON THE RUPIAH EXCHANGE RATE IN INDONESIA (1994-2023)

Syarif Hidayatulloh¹, Ririn Nopiah² 672

THE EFFECT OF TRANSFORMATIONAL LEADERSHIP DIMENSION ON EMPLOYEE
PERFORMANCE AT PT. KALIMANTAN SAWIT KUSUMA

Dola DestiyaRipana¹, Ceacilia Wahyu Estining Rahayu², Helena Yovita Junijanto³ 685

ANALYSIS OF THE IMPACT OF THE PRICE, PRODUCT QUALITY, AND WORD OF
MOUTH ON PURCHASE INTENTION OF PKL MRICAN

Andrey Michael Tarigan¹, Rachelia Wijaya² 695

THE EFFECT OF CONSUMER KNOWLEDGE SHARING BEHAVIOR ON CONSUMER PURCHASING BEHAVIOR IN THE CONTEXT OF E-COMMERCE IN INDONESIA Kurnia Wijaya ¹ , Ike Janita Dewi ²	708
THE INFLUENCE OF AMBASSADOR BRAND, PRODUCT QUALITY AND PROMOTION ON AZARINE SUNSCREEN PURCHASING DECISIONS (Case Study of Students at USD) Maria Giovani Dahemat ¹ , Yosinta Giofani ²	718
THE INFLUENCE OF WORK MOTIVATION, WORK ENVIRONMENT, AND WORK-LIFE BALANCE ON THE PERFORMANCE OF EMPLOYEES IN THE FORESTRY BRANCH OFFICE OF CENTRAL JAVA PROVINCE, REGION VI *Catharina Rosari Endyantri ¹ , Sandio Mathias Pawitra ²	732
ASSESSING THE IMPACT OF THE <i>JIWA JAGAD JAWI</i> VIDEO ON INDONESIAN CULTURAL AWARENESS AS TOURIST ATTRACTIONS Custódia Alexandra Maria da Conceição de Araújo	747
MAPPING PERFORMANCE OF ENVIRONMENTAL, SOCIAL, AND GOVERNANCE IN SUSTAINABLE BLUE ECONOMY USING A BIBLIOMETRIC ANALYSIS Josephine Wuri ¹ , Caecilia Wahyu Estining Rahayu ² , Yuliana Rini Hardanti ³	759
TOURISM PRODUCT DIVERSIFICATION IN TANZANIA: THE CASE FOR SCUBA DIVING Dr. Delphine Kessy	770
THE EFFECTIVENESS OF <i>JIWA JAGAD JAWI</i> FROM AN EXPERIENTIAL MARKETING PERSPECTIVE Aurora Alexandra Maria da Conceição de Araújo	787
ANALYSIS OF POPULATION AND UNEMPLOYMENT ON ECONOMIC GROWTH IN INDONESIA DURING THE COVID-19 PANDEMIC Hifki Mardia Oktaviani ¹ , Ririn Nopiah ²	795
THE EFFECT OF PROFITABILITY, FIRM SIZE, AND LEVERAGE ON TRIPLE BOTTOM LINE DISCLOSURE IN COMPANIES LISTED IN THE SRI-KEHATI INDEX 2019-2021 Patrisia Anggita Suwarna Putri ¹ , Fransisca Desiana Pranatasari ² , Albertus Yudi Yuniarto ³ ..	804
THE INFLUENCE OF GROWTH OF MICRO, SMALL AND SMALL ENTERPRISES MEDIUM TO ECONOMIC GROWTH IN BENGKULU PROVINCE Agung Budi Santosa ¹ , Ririn Nopiah ²	815
USING LESSONS FROM TOURISM MARKETING VIDEOS TO RAISE AWARENESS ABOUT CLIMATE CHANGE IN TANZANIA Elizabeth Charles Baluze ^{1*} ; Antonius Sumarwan ²	824
ANALYTICAL STUDY ON STRATEGIC THINKING OF BEGINNER VOTERS IN DETERMINING POLITICAL VOICES DURING LEGISLATIVE ELECTIONS IN INDONESIA *Balthasar Watunglawar ¹ , Katarina Leba ² , Amin Silalahi ³	839

BIBLIOMETRIC ANALYSIS: THE RESEARCH DEVELOPMENT OF RETURN ON
EQUITY (ROE) IN COMMERCIAL BANKS DURING 2021-2023

Theresia Magdalena¹, Wahyu Widarjo² 852

THE INFLUENCE OF GREEN PRODUCT, GREEN ADVERTISING, GREEN
KNOWLEDGE ON PURCHASING DECISIONS WITH BRAND IMAGE AS AN
INTERVENING VARIABLE

Imroaturo Rohmah¹, Fuad Mas'ud² 862

PROFESSIONALISM, INTERNAL CONTROL SYSTEM, INNOVATION, AND
PERFORMANCE OF REGIONAL GOVERNMENT IN INDONESIA

Marcellina Widiyastuti¹, Jaka Winarna² 873

THE ROLE OF PERCEIVED SUPERVISOR SUPPORT ON LOYALTY AND
PERFORMANCE OF KSP ARTHA MULIA *YOGYAKARTA* EMPLOYEES

Uswatun Hasanah¹, Ignatius Soni Kurniawan², Tri Ratna Purnamarini³ 887

THE FUTURE OF CSR/SUSTAINABILITY IN INDONESIA: A SYSTEMATIC
LITERATURE REVIEW

V. Mardi Widyadmono¹, Tulus Haryono² 896



THE EFFECT OF TRANSFORMATIONAL LEADERSHIP DIMENSION ON EMPLOYEE PERFORMANCE AT PT. KALIMANTAN SAWIT KUSUMA

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ABSTRACT

A substantial corpus of research has examined the impact of transformational leadership, yet studies on each dimension of transformational leadership remain scarce. This research aims to address this gap by examining the influence of four dimensions of transformational leadership, with a particular focus on their impact on employee performance in palm oil companies in Indonesia. This research employs a descriptive quantitative methodology with a survey method. Furthermore, the data collected in the field was obtained through the distribution of questionnaires to 100 employees in hard copy form. Following this, the data will be analyzed using SEM PLS 3.2.9. The findings indicate that the three dimensions of transformational leadership have a significant positive effect on employee performance, with only idealistic influence exhibiting no significant effect. The survey was conducted exclusively on employees who were based in the office, with those working in the field being excluded. Nevertheless, this research provides theoretical implications in the form of empirical evidence of the influence of transformational leadership dimensions on employee performance in the context of human resources working in palm oil companies in Indonesia. Furthermore, the findings provide practical implications with recommendations for improving employee performance.

Keywords: Intellectual Stimulation, Idealised Influence, Inspirational Motivation, Individualized Consideration, Employee Performance

1. Introduction

Transformational leadership has been a topic that has been widely discussed in previous research. Transformational leadership is considered effective in improving employee performance by motivating and developing the full potential of employees (Rivai, 2020). Transformational leadership is a leadership style that encourages and motivates employees to innovate and create changes that have an impact on the company's future success (Choi et al., 2017). Transformational leadership is also able to influence employees to develop and contribute maximally to the company.

Previous research has shown that transformational leadership can improve performance in various sectors such as in education, hospitality, self-service, health, banking and many more. However, there is limited research that explores the impact of transformational leadership specifically in the palm oil industry. Because considering that the palm oil industry is one of the factors that contribute to supporting the economy of Central Kalimantan, by being able to provide employment for thousands of local people (Ayu, 2021). So it is also necessary to pay attention to the leadership system adopted in the oil palm plantation industry, so that companies are able to compete in the era of increasing growth in oil palm plantations like today. Especially so that Indonesia always maintains the performance of each company to be able to compete in order to have a positive impact on the nation's economy (Sulistiawati

et al., 2023).

Because considering the oil palm plantation industry also has unique characteristics, especially having large land areas, large offices and factories, in this case a good compromise between leaders and employees is needed in order to be able to manage work according to company targets. So that the leadership theory chosen in this study is transformational leadership theory to determine what kind of leadership style is suitable to be applied at PT Kalimantan Sawit Kusuma, in order to improve employee performance. This study aims to determine the perceptions of employees who work in the office of PT Kalimantan Sawit Kusuma towards transformational leadership. Because considering in several previous industries that transformational leadership can improve employee performance such as research conducted by (Buil et al., 2019), this research was conducted with the intention of wanting to find out more if transformational leadership is applied to PT. Kalimantan Sawit Kusuma is also able to improve the performance of employees who work in offices in the oil palm plantation industry in Central Kalimantan or vice versa. In research conducted by (Teoh et al., 2022) transformational leadership is able to improve employee performance because this transformational leader can establish good relationships with his employees. Although many previous studies have found that transformative leadership can have a direct and indirect impact on employee performance, not many studies have explored the dimensions of transformational leadership on employee performance (Ferozi & Chang, 2021). In this case, transformational leadership has four dimensions that are no less important, which are the behaviours of a transformational leader. According to Teoh et al., (2022) These four transformational leader behaviours are interrelated with each other, namely: Idealistic influence, has a behaviour that focuses on ethics, morals and beliefs; Inspirational motivation, has a behaviour that is able to provide meaning and challenge to the work of its employees but still provides words that inspire in order to arouse emotions; Intellectual stimulation, where leaders are able to support new ways of thinking and question ideas, traditions, assumptions and emphasize the importance of skills in solving problems logically; Individualised consideration, is a leader who evaluates the abilities and needs of employees and provides assistance if employees need it.

The findings of this study are expected to help managers at PT Kalimantan Sawit Kusuma on how the description of transformational leadership can improve employee performance in the oil palm plantation industry through the dimensions of transformational leadership in order to more easily understand the figure of a transformational leader with each different characteristic. Therefore, this study is devoted to analysing the influence of transformational leadership dimensions on employee performance at PT Kalimantan Sawit Kusuma. This research will also examine the specific influence of each dimension of transformational leadership, because there are still not many who conduct research to examine this. In research conducted by (Teoh et al., 2022) who suggested for future researchers to conduct research on one of the dimensions of transformational leadership, namely individual consideration, so this study was also conducted to determine whether individual consideration affects employee performance, especially in the oil palm plantation industry, especially at PT Kalimantan Sawit Kusuma (KSK) Central Kalimantan.

2. Literature Review

2.1 Transformational Leadership

According to (Damayanti & Prasetya, n.d.; Kim, 2014) companies use transformational leadership to direct employees in understanding the targets that the company wants to achieve, and provide understanding to employees to do work according to predetermined targets. Transformational leadership is defined as a motivator who has a role to understand the needs of employees and as a form of motivation provided so that employees are able to do work for long-

term goals according to the vision and mission set by the company. (Berraies & Bchini, 2019). Transformational leadership is an important aspect that is able to influence employee performance with its ability to have a commitment to responsibility as a leader. (Astuty & Udin, 2020). In this case, transformational leadership has four dimensions, each of which has different characteristics, namely: idealistic influence, inspirational motivation, intellectual stimulation and individualized consideration. (Bass & Bass Bernard, 1985; Teoh et al., 2022).

2.1.1 Idealist influence

Idealist influence is a leader who shows his authority by providing a vision and mission to employees, so that they gain respect and trust from subordinates.

2.1.2 Inspirational motivation

Inspirational motivation is a leader who encourages his employees by providing unique motivation with the aim of employees being able to achieve common goals.

2.1.3 Intellectual stimulation

Intellectual stimulation is a leader who is able to encourage employees to be more imaginative and innovative in solving problems faced in work, especially to find new ways and more creative ideas.

2.1.4 Individualized consideration

Individualized consideration is a leader who is able to approach employees individually by understanding their needs and difficulties in doing work.

2.3 Employee Performance

In carrying out work, an employee produces something that is referred to as performance, so performance is defined as the work of an employee during a predetermined period of time with work standards to be achieved together (Arianty, 2018). According to (Harahap & Tirtayasa, 2020; Moeheriono, 2014) performance is the level of achievement of the implementation of programs, activities and policies to achieve organisational goals in accordance with the vision and mission stated in the organisation's strategic planning. Meanwhile, according to (Tanjung et al., 2021) performance is the result of work that a person achieves in carrying out the tasks assigned to employees and is based on ability, experience and seriousness. So that (Hendra, 2020; Sutrisno et al., 2010) states that to measure performance you can use several indicators using several performance criteria, namely: quality, quantity, timeliness, cost efficiency and supervision.

Based on the above definition, it can be concluded that employee performance is everything that an employee or employee wants to achieve in doing the work that has become his responsibility as an employee. Then from several indicators contained in employee performance, employees have the opportunity to do work according to the provisions of an organisation. Previous research conducted by (Rivai, 2020) that transformational leadership has a significant effect on employee performance, this shows that the better a leader in an organisation, the better employee performance. Meanwhile, research conducted by (Teoh et al., 2022) by examining the influence of the dimensions of transformational leadership on employee performance found that there are two dimensions of transformational leadership that have a positive effect are Idealistic influence and Inspirational motivation. While the two dimensions of transformational leadership that have a negative effect are Intellectual stimulation and Individualised consideration. Meanwhile, research conducted by (Top et al., 2020) also states that there are two dimensions of transformational leadership that have no impact on employee performance including idealistic influence and intellectual stimulation. For this reason, the purpose of this study is to determine whether the dimensions of transformational leadership affect employee performance in other words that the dimensions of transformational leadership can also improve employee performance, especially in the context of oil palm plantations in Central Kalimantan. From the above research, the hypothesis of this study is stated as follows:

- H1 : Idealistic influence has a positive effect on employee performance at PT.KSK
- H2 : Inspirational motivation has a positive effect on employee performance at PT.KSK
- H3 : Intellectual stimulation has a positive effect on employee performance at PT.KSK
- H4 : Individualized consideration has a positive effect on employee performance on PT.KSK

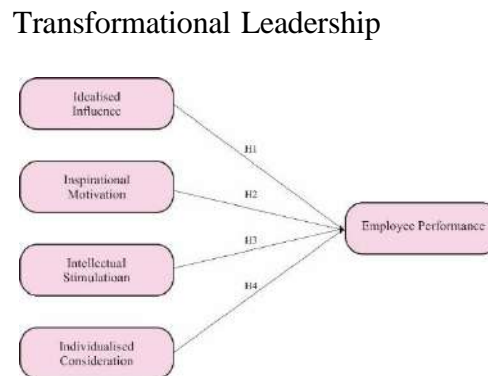


Figure 1 Conceptual Framework

3. Research Methods

3.1 Population and sample

This research uses a descriptive quantitative approach by describing or explaining information from an event or event as it is. In addition, descriptive research in this study uses a survey method conducted with several data collection techniques in the form of distributing questionnaires (primary data) and obtained from books and journals (secondary) as a reference for reference in this study. The sampling method in this study was non-probability sampling with purposive sampling. According to (Sugiyono, 2016) purposive sampling is a sampling technique that uses certain considerations or criteria that must be met by the sample and which will be used in research. The criteria used in this study are employees who work in the office of PT Kalimantan Sawit Kusuma who have a minimum service period of 1 year because in testing transformational leadership employees need to know or get to know how far the leadership is in the company where they work.

3.2 Data collection (measurement) instruments

The constructs used in the transformational leadership dimension variable were adopted from Bass & Bass Bernard, 1985 (in Nur et al., 2021), which contained 11 (eleven) statements and the constructs used in the employee performance variable were adopted from (Tugiyono & Kom, 2020), which contained (five) statement items. Analysis of statements on variables in this study is on a 5-point Likert scale, ranging from 1 (strongly disagree) to 5 (strongly agree).

3.3 Data Analysis

The analysis method in this study uses the Partial Least Square (PLS) approach with SmartPLS software version 3.2.9. Because PLS-SEM can be used to predict and maximise the explanation of the independent variable to the dependent variable (Hair Jr. et al., 2019, p. 766). All data generated in this study will be tested with instrument tests such as convergent validity test, reliability test, validity and hypothesis testing.

4. Research Findings and Discussion

4.1 Description of Respondent Characteristics

This study has several characteristics of respondents which are divided into 3 (three) groups as follows:

Table 1 Demographic Profile

Respondent Profile	Total	Percentage
Gender		
Women	40	40%
Man	60	60%
Age		
<25 Years	8	8%
25-30 Years	41	41%
>30 Years	51	51%
Length of Service		
<1 Years	4	4%
1-3 Years	28	28%
4-6 Years	34	34%
>6 Years	34	34%

Source: Data processed by researchers, 2024

4.2 Validity Testing

4.2.1 Convergent validity

At this first stage, namely by conducting a convergent validity test by looking at the outer loading value of each indicator on its construct. According to (Siagian *et al.*, 2019) an indicator can be said to meet convergent validity if the value of outer loading > 0.7. Based on the results of data processing using SmartPLS 3.2.9, it is shown in the table below and shows the outer loading value > 0.7, which means that all indicators are said to be valid.

Table 2 Outer Loading Value of Questionnaire Instrument Indicators

Variables	Indicator	Outer Loading
Idealistic influence	II1.1	0.823
	II1.2	0.868
	II1.3	0.896
	II1.4	0.850
Inspirational motivation	IM2.2	0.919
	IM2.3	0.897
	IM2.4	0.900
Intellectual stimulation	IS3.1	0.930
	IS3.2	0.872
	IS3.3	0.908
Individualized consideration	IC4.1	0.940
	IC4.2	0.934
Employee Performance	EP1.1	0.915
	EP1.2	0.877
	EP1.3	0.845

Source: Data processed by researchers, 2024

4.2.2 *Discriminant Validity*

In testing discriminant validity using Heterotrait Monotrait (HTMT), where each variable meets the criteria with a HTMT value <0.90. The following will attach the results of data processing using SmartPLS 3.2.9 in the table below:

Table 3 HTMT Discriminant Validity Test Results

	Employee Performance	Idealised Influence	Individualised Consideration	Inspirational Motivation	Intellectual Stimulation
Employee Performance					
Idealised Influence	0,349				
Individualised Consideration	0,589	0,575			
Inspirational Motivation	0,624	0,539	0,773		
Intellectual Stimulation	0,486	0,698	0,501	0,618	

Source: Data processed by researchers, 2024

4.2.3 *Reliability and Validity Testing*

In testing the reliability and validity of each indicator can be said to be reliable and valid if it meets the criteria with a Composite Reliability value > 0.70, a Cronbach's Alpha value > 0.70 and an AVE value ≥ 0.50. Based on the results of data processing using SmartPLS 3.2.9, it is displayed in the table below and shows the Composite Reliability value > 0.70, Cronbach's Alpha value > 0.70 and AVE value ≥ 0.50, which means that it meets the criteria for reliability and validity.

Table 4 Reliability and Validity Test Results

	Cronbach's Alpha	rho_A	Composite Reliability
Employee Performance	0,854	0,865	0,911
Idealized Influence	0,883	0,895	0,919
Individualized Consideration	0,861	0,862	0,935
Inspirational Motivation	0,890	0,895	0,932
Intellectual Stimulation	0,888	0,897	0,930

Source: Data processed by researchers, 2024

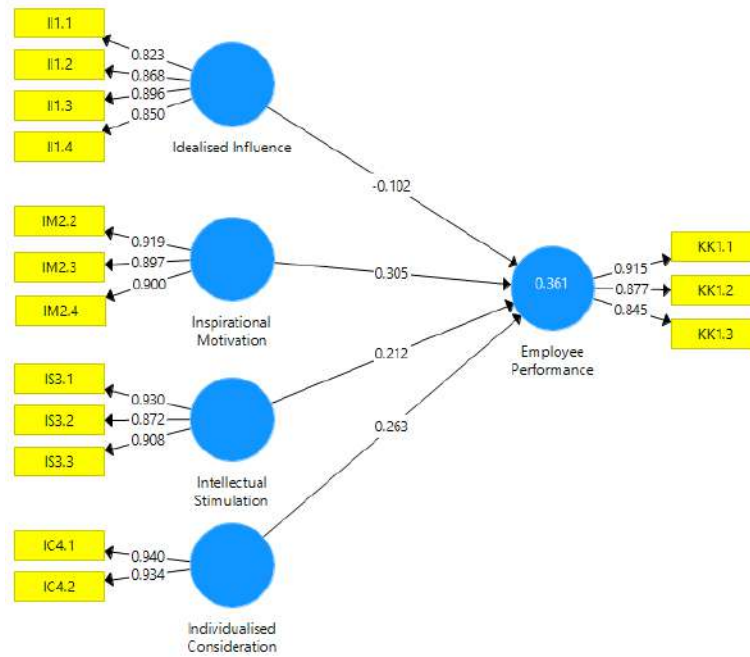


Figure 2. Partial Least Square Model Bootstrapping
 Source: Data processed by researchers, 2024

4.3. Hypothesis Testing

The purpose of this study was to investigate the effect of transformational leadership dimensions (idealistic influence, inspirational motivation, intellectual stimulation, and individualised consideration) on employee performance at PT Kalimantan Sawit Kusuma. The results of the study can be seen from the hypothesis testing conducted to determine the effect of the independent and dependent variables by looking at the t-statistic and p-value values presented in the table below.

Table 5
Hypothesis Testing Results

Hipotesis	Description	T-Statistic	P-Value	Information
H1	Idealis influence → Employee Performance	0.994	0.321	Not Supported
H2	Inspirational motivation → Employee Performance	2.852	0.005	Supported
H3	Intellectual stimulation → Employee Performance	3.712	0.000	Supported
H4	Individualised Consideration → Employee Performance	2.736	0.006	Supported

Source: Data processed by researchers, 2024

The significance of the research hypothesis can be determined through the hypothesis test conducted. Hypothesis testing results can be done using t-statistic analysis of t-statistic values and p-values. In testing the hypothesis Idealis influence has a positive effect on employee performance at PT.KSK (H1), the p-value is obtained which does not match the criteria so that the second hypothesis is declared unsuccessful and rejected. It can be concluded that Idealis influence does not have a positive effect on employee performance at PT.KS. This is in line with research conducted by (Top et al., 2020) which states that Idealis influence leaders have no effect on employee performance. However, research conducted by (Teoh et al., 2022) states that idealistic leaders influence employee performance where idealistic leaders influence employees to provide good performance according to the company's vision and

mission. According to (Nidadhavolu, 2018) transformational leaders are able to act as mentors in their team or department to focus on personal development, learning and achievement of their followers and are able to have a positive impact on employee performance. Because the nature of work at PT.KSK is generally repetitive and follows company procedures, idealistic influence is not relevant for employees working at PT.KSK.

In testing the hypothesis Inspirational motivation has a positive effect on employee performance at PT.KSK (H2), the p-value is obtained in accordance with the criteria so that the second hypothesis is accepted. It can be concluded that Inspirational motivation has a positive effect on employee performance at PT.KSK. So it is suggested that the Inspirational motivation leader at PT.KSK can be a leader who is able to inspire his employees by providing motivation that can build their performance to be better according to the standards given by the company.

In testing the Intellectual stimulation hypothesis has a positive effect on employee performance at PT.KSK (H3), the p-value is obtained in accordance with the criteria so that the third hypothesis is accepted. So, it can be said that the Intellectual stimulation hypothesis has a positive effect on employee performance at PT.KSK. So it is recommended for Intellectual stimulation leaders at PT.KSK to be able to influence employees by stimulating them and trying approaches to encourage the creativity of employees to become more creative and have new ideas in looking at obstacles to work with logic and being able to solve them in a new way.

In testing the hypothesis Individualised consideration has a positive effect on employee performance at PT.KSK (H4), the p-value is obtained in accordance with the criteria so that the fourth hypothesis is accepted. It can be concluded that Individualised consideration has a positive effect on employee performance at PT.KSK. So it is recommended that the leader of individualised consideration at PT.KSK, must be able to motivate his employees by providing individual attention to understand what is a need and what is an obstacle in doing work.

5. Conclusion

This study found that, transformational leadership can improve employee performance at PT Kalimantan Sawit Kusuma. The dimensions of inspirational motivation, intellectual stimulation, and individualised consideration are the dimensions of transformational leadership that have the most influence on employee performance. Leaders of PT Kalimantan Sawit Kusuma need to have the characteristics of each of these dimensions in their leadership in order to optimally improve employee performance. The findings of this study have several important implications for companies to improve employee performance. By applying transformational leadership consistently and purposefully, companies can achieve competitive advantage, improve business sustainability, and achieve their strategic goals. The results of this study also provide a theoretical contribution which uses dimensions from transformational leadership theory. In addition, it also helps managers to know what kind of leader is able to improve employee performance in their company. This study also provides several recommendations for future research. First, future research can further examine the dimensional mechanism of the influence of transformational leadership on employee performance. Second, comparing the effectiveness of transformational leadership with other leadership styles such as transactional and laissez-faire leadership.

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