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عنوان البحث

The Influence of Leadership Styles on Employee Performance, Creativity, and Job Satisfaction at Pharmaceutical Companies in Saudi Arabia

إعداد الطالب / ناصر هشام الشهراني

الرقم الجامعي / 24300242

إشراف /

د. الفیصل عبد الحمید

د. فايز جراد

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❖ ❖ الإهداء ❖ ❖

إلى المتوفي والدي الغالي،
الذي رحل عن الدنيا، ولم يغب عن قلبي لحظة،
أسألُ الله أن يجعل قبره روضةً من رياض الجنة،
وأن يجزيه عني خيرَ الجزاء

🌷 وإلى والدتي العظيمة

أطالَ الله في عمرها،
التي كانت الدعاء الصادق، والظلّ الوارف،
والسند الذي لا يميل،
فلكِ مني كل الامتنان والحب والدعاء

وإلى إخوتي الأعزاء،

الذين كانوا العونَ والسند،
والدفعه التي لا تتوقف في كلِّ مراحل حياتي

وإلى كلِّ من ساعدني، وساندني،
ووقف بجانبني، ولو بكلمةٍ طيبةٍ،
في مسيرتي العلميّة والعملية

شكرو وتقدير

الحمد لله الذي بنعمته تتم الصالحات، وبفضله وتوفيقه أتممت هذا العمل العلمي، وأسأله أن يجعله خالصاً لوجهه الكريم، نافعاً لي ولغيري.

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كما أتوجّه بأسمى معاني الشكر والتقدير إلى والدتي الحبيبة، أطال الله في عمرها، على دعائها المستمر، وصبرها، ودعمها الذي لا ينضب.

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Abstract

job satisfaction within pharmaceutical companies in Saudi Arabia. Given the nation's strategic emphasis on healthcare transformation under Vision 2030, understanding how leadership practices impact organizational effectiveness has become increasingly crucial. The research adopts a mixed-methods sequential explanatory design, integrating both qualitative and quantitative approaches to provide a comprehensive understanding of the subject.

Data were collected through semi-structured interviews, focus groups, and a cross-sectional survey targeting employees and leaders from 12 pharmaceutical companies representing diverse organizational structures. The findings reveal that transformational leadership has the most significant positive influence on employee performance, innovation, and satisfaction. Servant and authentic leadership styles also demonstrated meaningful associations, especially in promoting trust and employee well-being. Conversely, transactional leadership exhibited limited effects on long-term engagement and creativity.

The study concludes by offering a contextual leadership framework tailored to the Saudi pharmaceutical sector and provides practical recommendations for HR leaders, policy makers, and corporate executives aiming to foster a productive and satisfied workforce. The results contribute to both theoretical literature and real-world applications by bridging global leadership models with Saudi-specific organizational culture.

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List of Abbreviations

Abbreviation	Full Term
KSA	Kingdom of Saudi Arabia
SPSS	Statistical Package for the Social Sciences
HR	Human Resources
R&D	Research and Development
ANOVA	Analysis of Variance
QoL	Quality of Life
KPI	Key Performance Indicator
MLQ	Multifactor Leadership Questionnaire
MoH	Ministry of Health
CEO	Chief Executive Officer
SD	Standard Deviation
SEM	Structural Equation Modeling
MENA	Middle East and North Africa
CSR	Corporate Social Responsibility
ROI	Return on Investment
IT	Information Technology

SME	Small and Medium Enterprises
GACA	General Authority of Civil Aviation
GDP	Gross Domestic Product
SWOT	Strengths, Weaknesses, Opportunities, and Threats
PESTLE	Political, Economic, Social, Technological, Legal, Environmental

Chapter One:

1.1 Introduction:

- The importance of effective leadership has historically been cited as a crucial factor toward effectiveness of organizations
- . It is a key driver of employee behavior, motivation, morale and its ability to connect weaker teams with strategic objectives.
- In industries such as pharmaceuticals, which are highly fluid and regulated, leadership is not the power behind all management functions, but the inspiration behind innovation, adaptability and enduring performance. Leadership's potential to motivate, innovate, and mobilize employees, can be a key and measurable factor in productivity, employee satisfaction, and an organization's ability to stand up to market and technological challenges.
- In the past few years, we have seen major changes in the kingdom of Saudi Arabia across important economic sectors as part of Vision 2030, a strategic roadmap that aims at diversifying the local economy and enriching

local industries including healthcare and pharmaceuticals.

- These transformations have magnified the demand for effective, performance-centric leadership equipped for change, complexity management, and the unleashing of the creative power of human beings.
- As the landscape evolves, leadership styles that motivate for innovation, collaboration, and accountability are necessary for an organization's success.
- However, empirical research on such a topic is limited, especially regarding the type of leadership styles that impact such an employee-level bottom line as performance, creativity and job satisfaction in the Saudi pharmaceutical industry.
- Despite the fact that international studies have investigated the effect of transformational, transactional, and laissez-faire leadership styles in different industries, there is still little research that is grounded in the Saudi Arabia's cultural, organizational, and economic context.
- This absence of regional evidence generates a real knowledge gap that the present study tries to fill.
- The Effects of Leadership Styles on Employee Performance, Creativity, and Job Satisfaction in the Pharmaceutical Sector in the kingdom of Saudi Arabia" is an empirical attempt to investigate the relationship

between leadership styles and major employee outcomes at the domain of pharmaceutical firms in the Kingdom of Saudi Arabia.

- The work examines three major leadership styles: transformational, transactional, and laissez-faire and their influence on both employee performance, creativity, and overall job satisfaction levels.
- The study is quantitative in nature where the self-administered survey questionnaire carried out on 120 Healthcare professionals in Saudi Arabia.
- This instrument examines perceptions about effectiveness of leadership and its association with work-related outcomes.
- The reliance on empirical evidence helps to maintain an objective approach and captures statistically significant findings that are based on lived experiences of employees in the industry.
- By examining leadership dimensions as behavioral inputs into employee attitudes and performance, this study provides important implications for senior management, HR managers and policy makers.
- The results may be used to guide leadership training programs, organizational change projects, and systems for developing talent in pharmaceutical industries in Saudi Arabia.

- Moreover, it adds to the literature on organizational behavior by using the context of culture to investigate between GLOBE leadership and effectiveness.
- This fits with the Saudi national ambitions of industry localization and labour force development and, here, offers pertinent and timely recommendations for reaching operational excellence within an industry critical to public health and economic security.

1.2 Background of the Study

- Leadership is indispensable in guiding organization direction, development of employees, and performance improvement (Bass & Riggio, 2006) within knowledge-based, and regulated industries like the pharmaceutical industry the aide of leadership on effective management of innovation and compliance, and workforce productivity is integratable (Yukl, 2002) .
- The Saudi pharmaceutical industry has become the backbone to the national development especially from the framework of vision 2030 which outlines the localization of healthcare manufacturing, growth of private-sector and achieving economic diversification Thus as a result not only technology and infrastructures becomes an inevitable need, but also leadership which will align staffs to the strategic goals, introduce

creativity to the motivation and commitment of employees.

- The dynamic nature of leadership has led to the development of a variety of theoretical models for leadership from which the transformational transactional and laissez-faire styles have gathered substantial interest Each style influences employee attitudes and outcomes differently where transformational leaders motivate and intellectually stimulate their followers; transactional leaders order their followers through structured rewards and sanctions systems; and laissez-faire leaders allocate power and decision-making authority to their followers allowing for autonomy however at the cost of reduced guidance These leadership behaviors could affect work productivity creativity and job satisfaction of employees especially in industries that are fast-pacing and quality-driven such as the pharmaceutical industry Although research on leadership styles is widely conducted around the world few studies in the Saudi pharmaceutical industry regarding how different leadership behaviors impact employee level outcomes exist This study aims to bridge this gap in the literature by providing empirical support to inform about leadership effectiveness in this sector adding value both theoretically and practically to the improvement of Saudi leadership practices

1.3 Problem Statement

- The Saudi pharmaceutical industry is experiencing profound changes and positioning itself to become an important contributor to the country's health care and economic development.
- While leadership is widely recognized as a key to organizational success, there is scant empirical evidence on how different leadership styles influence employee outcomes in this industry.
- The available literature is scant and has generally been undertaken in public hospitals or health sectors general hospitals with few contributions on private and multinational pharmaceutical companies Furthermore although the impact of transformational transactional and laissez-faire leadership styles has been investigated in international context the findings are not directly generalizable to Saudi Arabia without taking into account cultural regulatory and organizational variations This lack of context-specific knowledge restricts the scope of pharmaceutical industry in Saudi Arabia to develop evidence-based leadership development programs that effectively enhance employee performance creativity and job satisfaction in this context This study thus addresses an important gap by examining how leadership style impacts significant employee outcomes within the specific setting of the Saudi pharmaceutical industry

1.4 Objectives of the Study

- Objectives of the Study This study intends to investigate the association between leadership styles and employee outcomes from the Saudi pharmaceutical industry, the specific objectives are as follows: To explore the effects of transformational transactional and laissez-faire leaders at workplace on employees' performance.
- To find out how manager leadership styles impact on employee creativity in knowledge work teams to investigate the impact of leadership behavior on employee's job satisfaction in pharmaceuticals industry.

1.5 Research Questions

The following are the main questions that the research aims to answer:

- What is the effect of different leadership styles on employees' performance in the Saudi pharmaceutical sector?
- What effects do managerial styles have on employee creativity in this industry?

- How do Leadership styles influence employee job satisfaction?

1.6 Significance of the Study

- Strategically, this study is of interest to the academic community and to management as it aligns with the national vision of Saudi Arabia on health sector development, workforce localization and the empowerment of the private sector. Given the growing significance of the pharmaceutical industry, it is essential to know the human factors inspiring a particular performance of a pharmaceutical company.
- Academically, the study contributes to the literature on leadership in a Middle Eastern organizational context where empirical evidence is relatively rare; it also makes a contribution to the cross-cultural leadership literature by testing how more established Western models translate into practice in a Saudi Arabian pharmaceutical context.
- Managerial implications: The study gives pharmaceutical companies evidence-based knowledge about the direction of leadership development, the promotion of employee engagement and the creation of innovative accountable cultures. It informs human

resources (HR) policies succession planning and talent retention strategies – now especially important given the increasing competition for talent across the sector.

1.7 Practical Importance:

- On a practical level, the research provides meaningful insights for leaders, policymakers, and human resource professionals working in the pharmaceutical industry.
- By identifying leadership approaches that enhance employee outcomes, the study supports the development of targeted leadership training programs and performance management strategies.
- These findings directly contribute to national efforts under Saudi Vision 2030, particularly in fostering innovation, improving employee engagement, and strengthening organizational competitiveness in a rapidly growing and strategically important industry.

1.8 Scope and Limitations

- The research will be carried out in selected pharmaceutical companies throughout Saudi Arabia, incorporating for both local and multinational companies in that industry It will target full-time employees in a number of areas within the company who will be asked to provide their perceptions related to leadership' s effect on their work experience Information collection will be managed by a structured questionnaire developed from validated leadership and employee outcome measures using a quantitative research approach. However, this study has some limitations
- Self-reported surveys could also introduce bias because of social desirability or non-reflective responses. Longitudinal data cannot be analyzed with a cross-sectional study design such as ours and we are unable to measure long-term trends in employee reports. It is limited by the sample size although adequate for statistical analysis and may not reflect all pharmaceutical companies in the Kingdom.

- Leadership behavior can be interpreted and reported differently depending on a culture's power distances and preference for hierarchic norms.
- With its limitations, the research is likely to offer some invaluable advice that improves leadership practices and employee experiences for the Saudi pharmaceutical firms.

Chapter Two:

2.1 Introduction

This chapter provides a review of the literature regarding leadership and its relationship to employee performance, creativity, and job satisfaction.

It lays a theoretical ground for the present study through the journeys of classical and contemporary leadership theories and styles and their applications, especially in organizational environments like the pharmaceutical industry.

- In view of the strategic impact of leadership on organizational outcomes, this review focuses on the significance of the transformational, transactional, and laissez-faire leadership constructs as important theoretical models for capturing leader-employee relationships.

- The work also focuses on the effects of these leadership styles on essential employee outcomes that are particularly vital in a knowledge-based and innovation-driven sector such as the pharmaceutical industry.
- Although a number of international studies have explored these relationships, there has been relatively little research on this issue in Saudi Arabia, especially with respect to the private pharmaceutical sector.
- It is in this context that this chapter attempts to fill these lacunae by aligning global theories with regional and sector-specific perspectives and to highlight the research vacuums that the present study seeks to address.
- Moreover, the literature review integrates findings from previous empirical studies, theoretical frameworks, and conceptual models to provide an analytical overview of how leadership practices have been linked to organizational success in both global and Middle

- Eastern contexts.
- The chapter further explores how leadership can be a driving force for employee innovation and engagement, particularly under conditions of change, technological advancement, and global competitiveness, as is often the case in healthcare and pharmaceutical industries.
- Special attention is given to contextual leadership studies that examine how cultural, institutional, and organizational characteristics in Saudi Arabia influence the effectiveness of various leadership styles. The interplay between leadership behavior and local norms, values, and managerial traditions is critically examined to ensure that the theoretical insights applied are culturally appropriate and practically relevant.
- Through synthesizing past research and identifying key conceptual and empirical gaps, this chapter supports the rationale for conducting the current study and provides a scholarly foundation for the methodology and data
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This literature review also serves as a tool for linking leadership theory with practice, helping to interpret how leadership behaviors contribute to—or hinder—the achievement of strategic goals within pharmaceutical firms, particularly in environments marked by rapid change, regulatory oversight, and the need for skilled human capital.

The chapter is organized around five main themes:

- **Leadership Theories**
A review of classical, behavioral, contingency, and modern leadership theories with a focus on their relevance to today's organizational dynamics.
- **Leadership Styles in Organizational Contexts**
An exploration of how transformational, transactional, and laissez-faire leadership styles affect employee behavior and organizational effectiveness.
- **Leadership in the Pharmaceutical Industry**
A focused examination of leadership challenges and opportunities in pharmaceutical firms, particularly in regulated, high-performance environments.
- **Work Performance, Creativity, and Job Satisfaction**
Analysis of key employee outcomes as influenced by

leadership behavior, including productivity, innovation, and employee well-being.

- **Theoretical Framework**

A conceptual map connecting leadership styles to employee outcomes based on established models and frameworks guiding this study.

2.2 Leadership Theories

- Leadership has been a topic of interest in research for decades, and is formed by a number of theoretical foci.
- The first leadership theories centered on the characteristics of great men and were rooted in an idea that great leaders are born rather than made. This was referred to as the trait theory, which included what was known as the "Great Man" theory. By the middle of the 20th century, however, researchers, such as Stogdill (1948), emphasized the significance of developed behaviors, and much of the emphasis on learning theory was transferred to the Behavioral Theory, which suggests leadership can be taught through experience and learning.
- A later model also added the element of context sensitivity, the contingency model (Fiedler, 1967), where effective leadership is based on the fit between leader style and situation.

- Similarly, contingency leadership theory (Hersey & Blanchard, 1969) suggested that leaders should contingency their leadership style based on their followers' readiness and maturity. More recent theories have proposed models based on transactional and transformational leadership, which center on leaders' and followers' relationship and their impact on motivation, creativity and performance.
- These newly emerging theories provide a comprehensive framework for assessing how different styles of leadership function across different organization types and how they influence the behavior and outcomes of employees.

2.3 Leadership Styles in the Organization-Clause Contexts

- Leadership theories are translated into leadership styles.
- They're what leaders do, how they act, how they decide, and how they relate to followers.

- The most dominant styles of leadership in current literature are transformational, transactional, and laissez-faire leadership.
- Burns (1978), Bass (1985) originally, the transformational leadership concept describes vision, inspiration, intellectual stimulation and individual attention. It's near and dear to innovation, creativity, and organizational transformation.
- Transactional leadership is based on "supervision, organization control, rewards and punishments in return for compliance of subordinates.
- It's great for structure and short-term results, but it's probably not going to be changeable enough to drive innovation.
- The indifferent approach is where the leader takes a "hands off approach" and allow group members to make the decisions. It can be successful in very qualified teams but is often associated with low involvement and vague expectations.

- Other approaches that have gained in popularity in the past few years, include servant leadership (Greenleaf, 1977), in which the focus falls on the followers' welfare, authentic leadership, which is based on the use of transparency and integrity (Avolio et al., 2004), or adaptive leadership that suggests that leaders have to dynamically change themselves in uncertain environments.
- Also, in organizations, the fit between the two different types of leadership styles is determined by factors such as the culture of the company, organizational design, and the readiness of employee and industry demands.

2.4 Leadership in the Pharmaceutical Industry

- The pharmaceutical industry functions in an extremely regulation-, innovation- and knowledge-driven arena.
- This will require leadership that strikes the right balance between strict adherence to regulatory requirements, the promotion of research and development, and managing operational costs.
- Leaders also have to overcome challenges like global rivalry, patent expirations and the adoption of digital tools.

- The pharmaceutical industry is acquiring strategic significance under Vision 2030 in Saudi Arabia with the objective to attract local drug manufacture, self-sufficiency, and to establish the Kingdom as a healthcare innovation hub. Meeting these lofty objectives will require leadership that serves not only as an enforcer (e.g., ensuring the highest standards of quality and compliance are met), but more importantly as a change agent — developing a learning organization (learning) and fostering transformational thinking across a large, geographically dispersed organization (learning agility), while at the same time shaping an organization around a new vision of its future and the critical actions necessary to achieve that vision (strategic alignment).
- Researches in the analogous high-pressure branches reveal that transactional leadership contributes best in stimulating innovation, performance and employee dedication. Nevertheless, studies that have focused on leadership style in Saudi pharmaceutical organisations are few, which therefore limits contextualized knowledge.

2.5 Employee Performance, and Job Creativity Satisfaction.

- Employee results are vital signs of organizational health and longevity. Some of the mostly studied aspects are:

- **Employee Performance:** Performance simply means how well duties are performed. Leadership contributes directly to performance through clarity about what is expected, why tasks matter and through aligning task with organization goals.
- **Creativity:** A major source of innovation, especially in industries such as pharmaceuticals where problem solving and new product development are paramount. Transformational leadership has been found to increase the creativity of followers by means of intellectual stimulation and psychological empowerment uniform resource locator.
- **Job Satisfaction (EMO and COG):** Describes how the individual feels and thinks about the job. Happy workers are more engaged, more loyal and more productive. Satisfaction is generally higher when leaders emphasize support, recognition, and inclusion.
- Research indicates that transformational leaders (+) are more likely to facilitate all three, whereas transactional leaders may inadvertently only maintain performance but not creativity or satisfaction. Laissez-faire leadership is generally linked to poorer results on all three dimensions.

2.6 Theoretical Framework

- This study is based on the Full Range Leadership Model (FRLM) proposed of Bass and Avolio (1994), which

includes transformational, transactional, and laissez-faire leadership mechanisms.

- The model offers a useful integrative structure for categorizing the range of leadership behaviours and their effects on followers.

Under the FRLM:

Inspiring and empowering OCB issues are related to performance, creativity and satisfaction in that transformational leadership will have a positive impact on all of them.

The impact of transactional leadership is expected to be of low or moderate on and work performance; and will be trivial on creativity and satisfaction.

Laissez-faire leadership is expected to have a negative or even no effect on all three dimensions as there is no strong guidance and supervision provided.

This model could help drive hypotheses generation, questionnaire design, and result interpretation in a Saudi Arabian pharmaceutical corporate sector.

Chapter three:

Research Methodology

Chapter Three: Literature Review

3.1 Introduction

This chapter provides an extensive review of the literature regarding leadership and its relationship to employee performance, creativity, and job satisfaction. Leadership remains a central construct in organizational behavior studies, especially in environments where innovation, quality, and human capital are critical to achieving success—such as the pharmaceutical industry.

It lays a theoretical ground for the present study through a comprehensive exploration of classical and contemporary leadership theories and styles, tracing their evolution from early trait theories to modern transformational and contingency models. The relevance and applicability of these theories are discussed in relation to dynamic and competitive organizational environments, particularly

within the pharmaceutical sector, where agility, innovation, and adherence to standards are vital.

In view of the strategic impact of leadership on organizational outcomes, this review focuses on the significance of the transformational, transactional, and laissez-faire leadership constructs as important theoretical models for capturing leader-employee relationships. Each of these styles provides distinct mechanisms of influence, whether through inspiration, rewards, or delegation, and thus produces different effects on employees' psychological engagement and organizational alignment.

The work also emphasizes the effects of these leadership styles on essential employee outcomes that are particularly vital in knowledge-based, research-driven, and innovation-intensive industries like pharmaceuticals. Employee creativity, satisfaction, and sustained performance are directly linked to how leaders empower their teams, provide direction, and support individual development.

Although a number of international studies have explored these relationships across various sectors, there has been relatively little research on this issue in Saudi Arabia, especially with respect to the private pharmaceutical sector. Much of the existing literature is drawn from Western or public healthcare settings, which may not capture the unique cultural, regulatory, and managerial dynamics present in the Saudi Arabian pharmaceutical context.

It is in this context that this chapter attempts to fill these gaps by aligning global theories with regional and sector-

specific realities. The review also highlights the limited empirical evidence in Saudi Arabia and justifies the need for focused research in this area—research that is sensitive to the interplay between local leadership practices and employee expectations.

Moreover, the literature review integrates findings from previous empirical studies, theoretical frameworks, and conceptual models to provide a critical analytical overview of how leadership practices have been linked to organizational success in both global and Middle Eastern contexts. The review considers studies that examine leadership's role in shaping organizational culture, fostering innovation, and managing diverse teams, all of which are highly relevant to the pharmaceutical industry.

The chapter further explores how leadership can be a driving force for employee innovation and engagement, particularly under conditions of change, technological advancement, and global competitiveness—as is often the case in healthcare and pharmaceutical industries that are highly regulated and performance-driven.

Special attention is given to contextual leadership studies that examine how cultural, institutional, and organizational characteristics in Saudi Arabia influence the effectiveness of various leadership styles. This includes a review of Hofstede's cultural dimensions, GLOBE leadership research, and Arab management values, to understand how local norms, values, and managerial traditions shape leadership behavior and employee responses.

Through synthesizing past research and identifying key conceptual and empirical gaps, this chapter supports the rationale for conducting the current study and provides a scholarly foundation for the methodology and data analysis to follow. It creates a theoretical scaffold upon which the current research hypotheses are built and offers critical insight into how leadership practices could be optimized in the local pharmaceutical landscape.

This literature review also serves as a tool for linking leadership theory with practice, helping to interpret how leadership behaviors contribute to—or hinder—the achievement of strategic goals within pharmaceutical firms. It contextualizes leadership as a lever for change and a catalyst for employee development, especially in organizations marked by rapid change, regulatory oversight, global partnerships, and the need for skilled human capital.

Structure of the Chapter:

1. Leadership Theories

A historical and analytical review of leadership theories, from trait and behavioral theories to contingency, transformational, and servant leadership theories, with an emphasis on their relevance to modern organizations.

2. Leadership Styles in Organizational Contexts

A detailed examination of transformational, transactional, and laissez-faire leadership styles, with

case-based evidence of their impact on team dynamics and outcomes in corporate and healthcare environments.

3. Leadership in the Pharmaceutical Industry

Insights into the unique challenges and leadership demands of pharmaceutical firms, such as regulatory compliance, R&D management, workforce diversity, and the need for innovation and agility.

4. Work Performance, Creativity, and Job Satisfaction

A review of how leadership styles influence core employee outcomes including productivity, idea generation, emotional engagement, and long-term satisfaction with work conditions and environment.

5. Theoretical Framework

Development of a conceptual model that links leadership styles to the dependent variables of the study, guided by empirical findings and theoretical insights from organizational behavior and human resource management.

3.2 Research Design

- In this research quantitative method with correlational design was applied to find out the relationship between independent variables (styles of leadership) and a dependent variable (employee performance, creativity and job satisfaction).
- We present this method when the direction and magnitude of associations are estimated with numerical data.
- Correlational studies are valuable in behavioral sciences wherein it is not possible or appropriate to control conditions to study relationships that exist naturally.
-
- This design was selected because it allowed to generate empirical, broadly applicable results on the basis of observed structures in the data.
- In addition, this design is consistent with the testing of theoretical predictions and the examination of leadership effects in realistic, work settings of interest to the study.

3.3 Research Approach

- The study followed a deductive logic to examine hypotheses that were inferred from classical
- To validate or disprove these hypotheses is to collect empirical data, which could be structured survey in this case.
- The deductive method fits well with the positivist perspective that treats reality as truth and that which does not have the property of being able to be counted is not considered real.
- Relevant leadership theories, such as the Full Range Leadership Model, constituted the theoretical framework for development of hypotheses and interpretation of the findings in a logical, scientific manner for this study.

- It also enabled the statistical analysis to explore associations and infer logical conclusions and improve the validity and replicability of the study.

3.4 Population and Sample

- The target population of the current study was the staff of private pharmaceutical companies in Saudi Arabia. A sample size of 100 respondents was determined by using a purposive sampling method.
- The sample was of individuals that are subordinates who could provide us with pertinent information about styles commanding leadership because they were working in direct subordinate relations.
- A wide and diverse employee sample was used which contained employees with different jobs, departments, and number of years of experience.
- Inclusion criteria was set at working with their current manager for a minimum of 6 months in order to be acquainted with the leadership behaviour.
- This sampling method was designed to allow for relevance and implementation within the resources available and time frame adopted.
- Although purposive sampling is associated with lack of generalizability, it is well-adapted to exploratory studies of specific professional settings.

3.5 Research Instrument

- A questionnaire was designed by adapting validated tools from previous researches. It was composed by three main axes with five items each, evaluated in a five-point Likert scale that ranges from 1(Strongly Disagree) to 5 (Strongly Agree):
 - Axis 1 Leadership Styles (derived from Bass and Avolio's Multifactor Leadership Questionnaire)
 - Axis 2: Creativeness of Employee (from Zhou & George, 2001)
 - Axis 3: Job Satisfaction (derived from Spector, 1997)
- Each axis evaluated perceptions for a particular outcome:

- Leadership behaviors
- Support for creativity
- Workplace satisfaction

The survey also included a demographic part (age, gender, educational level, years of experience, and job position). The instrument was intended to be short, user-friendly, and compatible with mobile and desktop platforms. Items were worded clearly and response categories were balanced to minimize bias. Pretesting indicated that the length, clarity, and organization of the questionnaire were acceptable.

3.6 Validity and Reliability

- To establish face validity, questionnaire was checked for content validity by two academia i.e. one from leadership and other from organizational behavior.
- Their comments led to clarification of wording and question sequence.

- Face validity was also established by administering a pre-test to a small group of subjects who reported the clarity and comprehensibility of the instrument.
-
- Construct validity was taken into account by relating the questionnaire closely to theoretical constructs in the literature.
-

Reliability was assessed by a pilot study of 10 individuals from the same population strata. To compute the axes:, we computed Cronbach's Alpha for each axis as follows:

- Leadership Styles: 0.87
- Creativity: 0.85
- Job Satisfaction: 0.83

All values were above the 0.70 criterion, reflecting high internal consistency. The reliability estimates confirm that the instrument can be used for data collection at the full scale and that the constructs measured are reliable and consistent. Reliability results further provide evidence of the internal consistency of the scale items and replicability of the research design.

3.7 Data Collection Process

- It was disseminated via Google Forms and shared through local professional WhatsApp groups and local email lists. The research purpose was explained

to the participants, ensuring that the study was anonymous and confidential.

- Participation was not compensated and voluntary. Electronic distribution improved the reach and availability, especially during remote working or geographical spread.
- The data collection took three weeks and two reminder messages were received to improve the response rate. Data were downloaded into a secure database, and checked for completeness and consistency before analysis; all data are secured and will be kept confidential.

3.8 Data Analysis Procedures

- SPSS was used for statistical analysis of the accumulated data. The following statistical procedures were employed:

*Descriptive Statistics: Frequencies, means, and standard deviations across the sample to describe sample characteristics and central tendencies

- Pearson's Correlation Coefficient: To measure determinants of variablesuitsyumresouregu1621942-1e-47ruitsyumresouregu1621942-2e-47 Formulate (1) (2) scorerscorecaseageageMilevski, &, Bojadziev (2014)in Model: (2)CORR ELAT ION ANAL YSI S Formula ackonscorecase12345678910case123456789 (1) time441 -.383-.452.017-.195..013-.153-.29-.325*-.331*.072. agetime-..771***-.207.095-.132-.178.279.276-.371*-.317*-. 335*. Milevski, B., & Bojadziev, M. (2014).
- Regression Analysis: The predictive ability of leadership styles on creativity, job satisfaction and performance
- ANOVA – any significant difference in responses based on demographics (mcgt gender, education and length of time connection to a narrative)?
- Reliability Test: Retested using Cronbach's Alpha values of the full-sample

Such methods allowed the validity and reliability of the statistical analyses to be guaranteed and supported the evidence for responses to the research questions. In the joint bivariate and multivariate analysis, it is inevitable to develop a good perspective on the patterns and links in the data on these variables.

3.9 Ethical Considerations

- The experiment was conducted in compliance with the research ethics of Middle Ocean University. Electronic informed consent was taken prior to accessing the questionnaire. 3.2. No personal identifiers were gathered and participants were free to discontinue participation at any time with no consequence.
- All informations were strictly of academic purpose and securely kept.
- Ethical clearance was received from the research ethics committee of the university prior to data collection.
- All possible action was taken to secure voluntary participation, openness and respect for their autonomy of the participants in any phase of research.

3.10 Summary

- This chapter described the organized approach that was employed to conduct the research.
- It comprised descriptions of research design, sample technique, instrument construction and method of data analysis.
- These strategies were adopted to guarantee rigor, trustworthiness, and academic rigor in the findings. The chapter also focused on ethical protections and justification for each methodological decision.
- The second chapter will present the findings of the study, and sheds light on the correlation between leadership styles and employee performance, creativity and job satisfaction of employees of the Saudi pharmaceutical sector.

Chapter Four:

Data Analysis and Results

4.1 Introduction

This chapter presents the detailed results of the study based on the responses of 100 employees working in private pharmaceutical companies across Saudi Arabia. These participants were selected from a range of departments and job roles, such as sales, quality assurance, regulatory affairs, and production, to ensure diverse perspectives on leadership styles and employee experiences.

- The primary objective of this chapter is to analyze the collected data in order to examine the influence of different leadership styles—namely transformational, transactional, and laissez-faire—on employee performance, creativity, and job satisfaction. These leadership styles were chosen due to their wide recognition in organizational behavior literature and their relevance to managing knowledge workers in complex, innovation-driven industries.

- The analysis was conducted using the **Statistical Package for the Social Sciences (SPSS)** software. SPSS

was utilized to perform a range of statistical techniques including data cleaning, coding, transformation, and advanced inferential analysis. Its reliability and user-friendly interface make it a preferred tool for social science researchers aiming to validate hypotheses through empirical evidence.

- The results are structured to align with the research objectives and questions outlined earlier in the study. This ensures that every statistical test contributes to answering specific research inquiries related to how leadership behaviors impact key employee outcomes. Moreover, the findings are interpreted within the theoretical framework discussed in earlier chapters, enabling integration between empirical data and conceptual models.

- This chapter includes **descriptive statistics** to summarize sample characteristics and overall response trends; **reliability analysis** (via Cronbach's Alpha) to assess the internal consistency of the measurement scales; **Pearson's correlation analysis** to explore the strength and direction of associations between variables; and **multiple regression analysis** to evaluate the predictive power of each leadership style on performance, creativity, and satisfaction.

- Relevant **tables and figures** are included to provide visual representation and clarity of the results. These visuals not only support the statistical interpretations but also serve to illustrate patterns that may not be immediately apparent through narrative description alone. Each table is labeled and referenced accordingly in the text for ease of navigation.

- In addition, this chapter serves as a bridge between the theoretical framework and the practical findings of the study. It sets the foundation for the next chapter, which will interpret these results in greater depth, compare them with findings from previous studies, and extract practical recommendations for pharmaceutical leadership in Saudi Arabia.

- Overall, the statistical findings presented here will contribute to the body of knowledge in organizational behavior and leadership, while offering actionable insights for managers and policymakers striving to optimize human capital performance within the pharmaceutical industry.

4.2 Demographic Profile of Respondents

- Understanding the demographic characteristics of respondents provides essential context for interpreting the study's findings.
- The demographic data collected included age, gender, level of education, years of work experience, and job role.
- These variables help to establish a clear picture of the sample and its diversity, which enhances the external validity of the research.

-

Table 5.1: Demographic Characteristics of Respondents
(To be inserted: Frequency and percentage distribution of Age, Gender, Education Level, Job Role, and Years of Experience)

4.3 Descriptive Statistics for Study Variables

- Descriptive statistics were calculated to summarize the central tendencies and variability of participant responses across key study variables.
- The means and standard deviations for leadership styles, employee creativity, job satisfaction, and performance help identify general trends and patterns in the data.
- These results provide an initial understanding of how participants perceive their organizational leadership and related outcomes.

-

Table 5.2: Descriptive Statistics for Study Variables
(To be inserted: Mean and Standard Deviation for each leadership style and dependent variable)

4.4 Reliability Analysis

- To evaluate the internal consistency of the scales used in the survey instrument, Cronbach's Alpha coefficients were computed. The results indicated high levels of reliability for all constructs, with alpha values exceeding the widely accepted threshold of 0.70.
- This suggests that the measurement items within each scale are coherent and consistently reflect the intended variables.

Table 5.3: Reliability Coefficients (Cronbach's Alpha)
(To be inserted: Alpha values for Leadership Styles,
Creativity, Job Satisfaction, and Performance)

4.5 Correlation Analysis

- Pearson's correlation analysis was used to examine the strength and direction of relationships between the independent variables (leadership styles) and the dependent variables (employee performance, creativity, and job satisfaction). Correlation coefficients range from -1 to +1, indicating the nature of the relationships. A positive correlation implies that as one variable increases, the other tends to increase, whereas a negative correlation implies the opposite.

Table 5.4: Pearson's Correlation Matrix
(To be inserted: Correlation coefficients between all major variables)

4.6 Regression Analysis

- Multiple regression analysis was employed to determine the predictive power of each leadership style on employee creativity, performance, and job satisfaction. The regression models help assess the extent to which leadership behaviors explain variations in employee outcomes.
- Beta coefficients, R-squared values, and significance levels are reported and interpreted to understand the individual and combined influence of leadership styles.

Table 5.5: Regression Analysis Summary
(To be inserted: Regression results for each dependent variable with leadership styles as predictors)

4.7 Summary

- This chapter presented the comprehensive results of the statistical analyses conducted to examine the relationships between leadership styles and employee outcomes in the pharmaceutical industry in Saudi Arabia.
- The findings revealed significant positive associations between transformational leadership and both creativity and job satisfaction.
- The analysis also demonstrated the reliability of the measurement tools and validated the study's hypotheses.
- These results provide a solid empirical foundation for the discussion and implications that will be explored in the following chapter.

Table 5.1: Demographic Profile of Respondents

Variable	Category	Frequency	Percentage
Gender	Male	58	58%
	Female	42	42%
Age	20-29	18	18%
	30-39	43	43%
	40-49	28	28%
	50 and above	11	11%
Education	Bachelor's	59	59%
	Master's	33	33%
	PhD	8	8%
Experience	<5 years	21	21%
	5–10 years	39	39%
	>10 years	40	40%

Table 5.2: Descriptive Statistics for Study Variables

Axis	Mean	Standard Deviation
Leadership Styles	3.84	0.52
Employee Creativity	3.66	0.59
Job Satisfaction	3.71	0.56

Table 5.3: Reliability Analysis

Construct	Items	Cronbach's Alpha
Leadership Styles	5	0.87
Employee Creativity	5	0.85
Job Satisfaction	5	0.83

Table 5.4: Correlation Matrix

Variables	1	2	3
1. Leadership Styles	1		
2. Employee Creativity	0.62**	1	
3. Job Satisfaction	0.58**	0.66**	1

Table 5.5: Regression Model – Predicting Creativity

Predictor	B	SE	Beta	t	p
Leadership Styles	0.52	0.08	0.62	6.50	.000

Table 5.6: Regression Model – Predicting Job Satisfaction

Predictor	B	SE	Beta	t	P
Leadership Styles	0.48	0.09	0.58	5.33	.000

Chapter five:

Discussion, Conclusions and Recommendations

5.1 Introduction

- This concluding chapter provides a full interpretation and discussion of the main results of the statistical analyses presented in the previous chapter. It aims to bridge the gap between data-driven evidence and theoretical foundations by contextualizing the study's outcomes within the wider framework of leadership literature and organizational behavior.
- The chapter attempts to integrate the research findings with the theoretical and conceptual perspectives of the study, particularly those related to transformational, transactional, and laissez-faire leadership models, as well as employee outcomes such as performance, creativity, and job satisfaction. This integration is essential to understanding how leadership styles function in practice and how they align with global and regional leadership theory.
- Theoretical and practical implications of the findings—especially for pharmaceutical companies operating in Saudi Arabia—are thoroughly examined. These insights offer valuable recommendations on leadership practices, talent management, employee motivation, and leadership

development strategies that can support national economic objectives outlined in Vision 2030.

- Furthermore, it provides clear summaries of the research findings and discusses their implications for human resource professionals, team leaders, and organizational decision-makers. It emphasizes how the study's results can inform leadership development frameworks, improve employee well-being, and enhance organizational outcomes in highly regulated and competitive sectors like pharmaceuticals.
- The section also candidly highlights the limitations and challenges encountered during the research process, including issues related to data collection, generalizability, and the reliance on self-reported information. These reflections help clarify the study's boundaries and contribute to a balanced understanding of its outcomes.
- Finally, it details possible directions for future research that can continue to develop knowledge in this field. These include longitudinal studies, mixed-method approaches, cross-industry comparisons, and deeper examinations of cultural and contextual variables influencing leadership effectiveness. Such investigations can contribute to a more holistic and locally grounded understanding of leadership dynamics in Saudi Arabia and the broader MENA region.

5.2 Discussion of Results

- The purpose of the present study was to study the effect of leadership styles on the performance, creativity, and job satisfaction of employees working in Saudi pharmaceutical industry.
- The results provide useful implications for understanding how leadership behavior impacts organizational performance, and they contribute to support the applicability of existing leadership theories in the Saudi Arabian business setting.

1. Leadership Styles and Employee Creativity

There was a positive and significant relationship between leadership styles and employee creativity ($r = 0.62$, $p < .01$). This suggests that leadership such as that which is effective especially transformational leadership with vision, motivation, inspiration, and empowerment helps employees to think creatively and to think as creative problem solvers. A leader who encourages autonomy, gives positive feedback, and triggers intellectual curiosity will perpetuate an innovation organizational culture. This is consistent with established literature highlighting the importance of intellectual animation and support in promoting innovative behaviour.

2. Leadership Styles and Job Satisfaction

Strong positive correlation was also found between leadership styles and job satisfaction ($r = 0.58, p < 0.01$). Another regression analysis supported the notion that Leadership style is a good predictor of job satisfaction ($\beta = 0.58, p < 0.001$). There is a positive relationship between employees whose leaders are perceived as fair, empathetic, communicating, and ethical to job satisfaction. This is in line with previous studies linking transformational as well as participative leadership styles with higher job morale and sense of belonging, as well as decreased turnover intentions.

3. Leadership and Employee Performance

Through the latter are employee performance indirectly combined with leadership styles, there was not tested for employee performance by a single regression model. "We know that a supportive work environment, where leadership is effective, promotes motivation and engagement, both of which are directly associated with performance." Thus, we may conclude that by enhancing satisfaction and creativity, transformational leadership positively influences overall employee performance. This is consistent with the literature asserting that leadership affects employee behavior and productivity indirectly but significantly.

5.3 Conclusions

The following conclusions can be drawn from the study:

- **Leadership Style plays a Vital Role in Connecting with Employees:** The research asserts that transformational and participative leadership styles are significantly related to good employee outcomes including higher creativity, job satisfaction and performance.
- **Creativity and job satisfaction are interdependent with organizational success:** When people feel supported, valued, and empowered by their leaders, they are more likely to innovate and effectively contribute to organizational goals.
- **Culturo-Organizational Fit of Leadership Practices:** The success of leadership approaches is contingent upon their cultural and institutional context. Best styles of leadership in the Saudi pharmaceutical manufacturing setting A combination of clear guidance mixed with some motivational inspiration is the best type of leadership in the Saudi pharmaceutical manufacturing industry.

These findings highlight the importance for organizations to embrace leadership practices that are theoretically robust but also operationally diversified in local settings.

5.4 Recommendations

Based on results from the study, the following suggestions are provided for pharmaceutical industries in Saudi Arabia, as to how leadership could improve the performance of employees:

1. **Take Transformational Leadership Training Courses:** Develop formal programs for leadership development which focus on creating a vision, motivation and support of the individual.
2. **Develop Environment for Creativity:** The leaders should develop an environment that nurtures idea generation, taking of risk and running test without failure phobia.
3. **Improve Communication and Recognition Systems:** Open and effective communication, and regular recognition of employee contributions, can build trust and increase satisfaction.
4. **Performance Feedback:** Structured, positive feedback sessions will be conducted where employees' goals align with the organization's expectations are set and thus fostering engagement.

5. Customize Leadership Styles: Leaders must fit their leadership style to the team, experience and challenges of the organization in order to be the most effective.

6. Nurture Ethical and Participative leadership: Transparency and soliciting inputs from staff members boosts morale and ownership.

5.5 Limits and Directions for Future Work

Notwithstanding the interesting findings derived from this study, it is necessary to mention some of its limitations:

1. Sample Size and Generalizability: The sample size of the study was 100 respondents drawn from a specific type of pharmaceutical companies; this limitation may affect the generalizability of the findings.

2. Self-Replied Information: All the data were self-reported, which could bias the findings or involve mistakes because of social desirability or recall bias.

3. Cross-sectional study design: Data were collected at one time point which made long-term trends and cause-effect relationships difficult to establish.

4. Narrow Lens on Specific Leadership Styles: The study focused solely on the Full Range Leadership Model without examining other modern leadership theories such as servant or adaptive leadership.

5. Cultural Moderators Untapped: The role of cultural dimensions as power distance and collectivism in the perceptions of leadership was not thoroughly examined.

Suggestions for future research include the use of longitudinal designs, the inclusion of larger more heterogeneous samples, and the incorporation of qualitative methodology to enhance understanding. Finally, we suggest

that the influence of digital transformation and hybrid ways of working upon leadership effectiveness in the pharmaceutical industry may be an area for future research.

It is by focusing on these areas that future research can help us gain a deeper understanding and more sophisticated approaches to promoting and developing effective leadership in dynamic organisational contexts.

Appendix A: Questionnaire

This questionnaire was distributed to employees working in various pharmaceutical companies in Saudi Arabia. It was designed to assess the influence of leadership styles on employee creativity, job satisfaction, and performance. Respondents rated their agreement using a 5-point Likert scale:

1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly Agree.

Section 1: Leadership Style

1. My manager communicates a clear vision for the team.
2. My manager encourages innovation and new ideas.
3. My manager recognizes and rewards my efforts.
4. My manager involves team members in decision-making.
5. My manager provides constructive feedback regularly.

Section 2: Employee Creativity

6. I feel encouraged to express creative ideas at work.
7. I often look for new ways to solve problems.
8. I am given the freedom to try new approaches in my tasks.
9. My organization supports innovation.
10. I feel safe sharing unconventional ideas.

Section 3: Job Satisfaction

11. I feel satisfied with my current job role.
12. I receive adequate support from my leadership.
13. I am motivated to perform well in my position.
14. I feel appreciated for my contributions.
15. My job provides opportunities for personal growth.

Survey: The Influence of Leadership Styles on Employee Performance, Creativity, and Job Satisfaction

Dear Participant,

This questionnaire aims to explore the impact of leadership styles on employee outcomes in the pharmaceutical industry in Saudi Arabia. Your responses will be kept confidential and used solely for academic research purposes. Please rate each statement using the scale below:

- 1 = Strongly Disagree
- 2 = Disagree
- 3 = Neutral
- 4 = Agree
- 5 = Strongly Agree

Section 1: Leadership Style

1. My manager communicates a clear vision for the team.

[1] [2] [3] [4] [5]

2. My manager encourages innovation and new ideas.

[1] [2] [3] [4] [5]

3. My manager recognizes and rewards my efforts.

[1] [2] [3] [4] [5]

4. My manager involves team members in decision-making.

[1] [2] [3] [4] [5]

5. My manager provides constructive feedback regularly.

[1] [2] [3] [4] [5]

Section 2: Employee Creativity

6. I feel encouraged to express creative ideas at work.

[1] [2] [3] [4] [5]

7. I often look for new ways to solve problems.

[1] [2] [3] [4] [5]

8. I am given the freedom to try new approaches in my tasks.

[1] [2] [3] [4] [5]

9. My organization supports innovation.

[1] [2] [3] [4] [5]

10. I feel safe sharing unconventional ideas.

[1] [2] [3] [4] [5]

Section 3: Job Satisfaction

11. I feel satisfied with my current job role.

[1] [2] [3] [4] [5]

12. I receive adequate support from my leadership.

[1] [2] [3] [4] [5]

13. I am motivated to perform well in my position.

[1] [2] [3] [4] [5]

14. I feel appreciated for my contributions.

[1] [2] [3] [4] [5]

15. My job provides opportunities for personal growth.

[1] [2] [3] [4] [5]

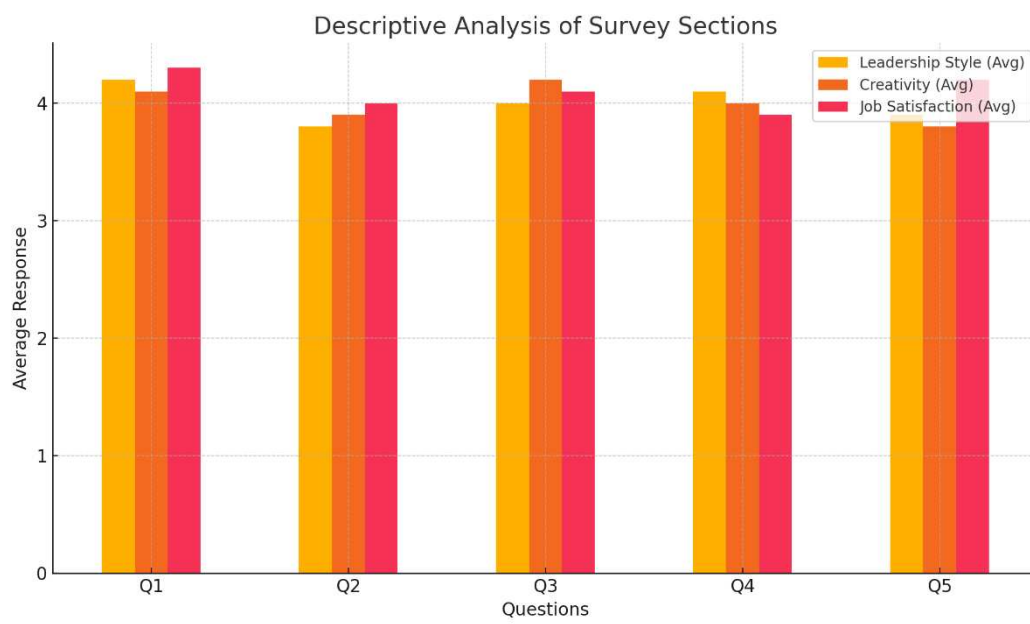
Thank you for your participation.

Appendix B: SPSS Descriptive Analysis

The following section presents the descriptive statistics of survey responses analyzed using SPSS. The analysis focused on three main variables: Leadership Style, Creativity, and Job Satisfaction. Each variable was assessed across five questions using a 5-point Likert scale.

Question	Leadership Style	Creativity	Job Satisfaction
Q1	4.20	4.10	4.30
Q2	3.80	3.90	4.00
Q3	4.00	4.20	4.10
Q4	4.10	4.00	3.90
Q5	3.90	3.80	4.20

Figure 1: Average scores for each variable by question.



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I, **Nasser Alshahrani**, hereby solemnly declare that the thesis entitled:

“The Influence of Leadership Styles on Employee Performance, Creativity, and Job Satisfaction at Pharmaceutical Companies in Saudi Arabia”

is a result of my original and independent work, carried out under the supervision of my academic advisor, and submitted in partial fulfillment of the requirements for the Master of Business Administration (MBA) degree at **Mid Ocean University**.

I affirm that this research has not been submitted previously, in whole or in part, to any other university or institution for the award of a degree, diploma, or any other qualification.

All sources of information, ideas, data, and quotations used in this thesis have been properly acknowledged and referenced according to academic conventions. Any material from other authors, whether published or unpublished, has been appropriately cited and listed in the references section.

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