

# A Comprehensive Study on the Effectiveness of Continuing Professional Development (CPD) Programs in the Malaysian Food and Beverage Industry: Addressing Gaps in Innovation and Business Strategies

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## ABSTRACT

The food and beverage (F&B) industry in Malaysia is rapidly evolving, driven by shifts in consumer demands, regulatory advancements, and technological progress. This transformation necessitates continuous professional skill enhancement, particularly through Continuing Professional Development (CPD) programs. However, there are significant concerns about the current CPD programs' effectiveness in catering to the specific needs of the F&B industry, especially in areas such as innovation, sustainability, and strategic business management. This research aims to evaluate the current state of CPD programs in Malaysia's F&B industry using a mixed-method approach, integrating quantitative surveys and qualitative interviews. Key findings reveal that while CPD programs meet basic regulatory compliance requirements, they fall short in areas of business innovation and leadership training. Recommendations are provided to bridge these gaps, advocating for a more flexible, hands-on, and industry-relevant approach to CPD delivery, which will better align with the needs of Malaysian professionals.

**Keywords:** Food Industry, Beverage Industry, Malaysia, Continuing Professional Development (CPD), Skills Training, Culinary Innovation, Food Safety, Business Innovation, Strategic Management, Sustainability

## I. INTRODUCTION

The Malaysian food and beverage industry plays a pivotal role in the country's economy,

contributing significantly to employment and gross domestic product (GDP). As the demand for high-quality food services continues to grow, spurred by urbanization, tourism, and increasing consumer expectations, industry professionals face mounting pressure to stay updated with the latest standards in food safety, culinary innovation, and business management. **Continuing Professional Development (CPD)** programs are designed to support professionals in developing the necessary skills to navigate these challenges, ensuring that they remain competitive in a dynamic marketplace (Che Omar et al., 2018). Despite their importance, there is limited research on the effectiveness of CPD programs within Malaysia's F&B sector. This study seeks to fill this gap by assessing the relevance, delivery, and outcomes of CPD programs and proposing actionable recommendations to enhance their impact on professionals within the industry.

## II. THE STRUCTURE OF THIS PAPER

This paper is structured to provide a comprehensive analysis of CPD programs in Malaysia's food and beverage sector. Section 3 outlines the problem statement, discussing the shortcomings of current CPD initiatives. Section 4 offers a thorough literature review, presenting both global and local perspectives on professional development within the F&B industry. Section 5 introduces the theoretical frameworks underpinning the research, while Section 6 details the methodology employed in data collection and

analysis. Sections 7 through 9 present the results and findings from the study, followed by recommendations and conclusions in Sections 10 through 14.

### III. STATEMENT OF THE PROBLEM

Malaysia's food and beverage industry is undergoing rapid transformation, driven by changes in consumer behavior, global trends, and regulatory requirements. However, existing **CPD programs** do not adequately address the industry's specific needs. Many CPD initiatives focus predominantly on regulatory compliance and basic food safety, with limited attention to innovation, customer service excellence, and strategic business management. The rigidity of traditional CPD delivery methods—such as classroom-based sessions—also poses challenges for busy professionals who require flexible learning solutions. This study aims to address these gaps by assessing the effectiveness of CPD programs in fostering innovation and enhancing the professional competence of F&B practitioners in Malaysia.

### IV. LITERATURE REVIEW

#### 4.1 CPD in the Global F&B Industry

Globally, CPD programs are recognized as essential for maintaining industry standards across various sectors, including the food and beverage industry. In developed markets, CPD is integral to continuous improvement, particularly in response to emerging trends such as sustainable practices, technological advancements, and culinary innovation (Smith, 2019). Studies in developed economies demonstrate that CPD programs can significantly impact skills enhancement, but only when aligned with industry-specific requirements (Tisch & McKeown, 2019).

#### 4.2 CPD in Malaysia's F&B Industry

In Malaysia, the food and beverage industry has grown rapidly, fueled by increasing urbanization and international tourism (Hassan et al., 2020). The introduction of new regulations in food safety and hygiene has made CPD programs essential for professionals in the industry. However, existing CPD programs often fall short in addressing broader industry concerns, such as business innovation and sustainability (Aziz et al., 2021). This discrepancy underscores the need for a more tailored approach to CPD, focusing not only on compliance but also on equipping professionals with the skills needed to drive industry growth.

### V. THEORETICAL FRAMEWORK

This study employs **Kolb's Experiential Learning Theory** (1984) and **Adult Learning Theory** (Knowles, 1978) as its foundational frameworks. Kolb's theory emphasizes learning through experience, reflection, and experimentation—principles that are particularly relevant in the food and beverage industry, where much learning occurs in practical settings such as kitchens and service areas. Knowles' Adult Learning Theory, which highlights the importance of self-directed learning, is also applied to this research. Given the demanding schedules of industry professionals, CPD programs must be flexible and adaptive to maximize learning outcomes. These theoretical frameworks guide the study's exploration of how CPD programs can be structured to meet the specific needs of Malaysian professionals.

### VI. RESEARCH AIMS, QUESTIONS, AND HYPOTHESES

#### 6.1 Research Aims

The research aims to:

1. **Assess the relevance** of CPD content for professionals in the F&B industry.
2. **Evaluate the effectiveness** of CPD delivery methods (e.g., online, in-person) in meeting the needs of professionals.
3. **Identify the gaps** in CPD programs related to innovation, sustainability, and hands-on learning.
4. **Provide recommendations** for improving CPD programs.

#### 6.2 Research Questions

The study addresses the following research questions:

1. **RQ1:** To what extent is CPD content relevant to the practical needs of professionals in Malaysia's F&B industry?
2. **RQ2:** How effective are the delivery methods of CPD programs in providing flexible learning?
3. **RQ3:** What gaps exist in CPD programs regarding innovation, sustainability, and practical application?
4. **RQ4:** What are the perceptions of F&B professionals regarding the importance of hands-on learning in CPD?

#### 6.3 Hypotheses

1. **H1:** There is a positive correlation between CPD content relevance and perceived learning outcomes.

2. **H2:** Flexible delivery modes (online, blended) are more effective in enhancing learning outcomes than traditional methods.
3. **H3:** CPD programs with hands-on, practical learning lead to greater professional competency improvement.
4. **H4:** Current CPD programs do not adequately address innovation and sustainability.

## VII. METHODOLOGY

### 7.1 Research Design

This research employs a **mixed-method approach**, combining **quantitative** and **qualitative** techniques. The quantitative data were collected via an online survey administered to 250 professionals in the food and beverage industry, while qualitative data were gathered through 20 semi-structured interviews with chefs, food safety officers, and catering managers.

Research Method	Approach	Sample Size	Data Collection Tool
Quantitative	Survey	250	30-item questionnaire
Qualitative	Interviews	20	Semi-structured interviews

### 7.2 Data Collection

Both quantitative and qualitative data were collected concurrently. Survey respondents were selected based on their professional roles

within the F&B sector, while interview participants were chosen for their involvement in CPD programs over the past three years.

Criteria	Description
Professional Role	Chefs, Managers, Food Safety Officers
Years of Experience	Minimum of 5 years in the food and beverage sector
CPD Program Involvement	Must have completed at least one CPD program in the last 3 years

## VIII. DATA ANALYSIS

### 8.1 Descriptive Analysis

The demographic characteristics of survey respondents are shown in the table below:

Variable	Frequency	Percentage (%)
<b>Age</b>		
20-29 years	50	20%
30-50 years	150	60%
Over 50 years	50	20%
<b>Gender</b>		
Male	140	56%
Female	110	44%
<b>Education Level</b>		
Diploma	100	40%
Bachelor's Degree	100	40%
Master's Degree	50	20%
<b>Years of Experience</b>		
1-5 years	80	32%
6-10 years	100	40%
More than 10 years	70	28%

### 8.2 Regression Analysis

Regression analysis was employed to identify the relationships between CPD program

characteristics (content relevance, delivery mode, and practical application) and perceived learning outcomes. The results are presented below:

Variable	Coefficient (β)	p-value
Content Relevance	0.65	0.001**
Delivery Mode	0.45	0.003**
Practical Application	0.55	0.002**

#### Interpretation:

- **Content relevance** was the strongest predictor of learning outcomes, suggesting that professionals who found CPD content relevant were more likely to report improved competencies.
- **Delivery mode** and **practical application** also showed significant positive correlations,

indicating the importance of flexible and practical learning experiences.

### IX. FINDINGS

Qualitative interviews revealed several critical themes related to the effectiveness of CPD programs in the Malaysian food and beverage sector.

Theme	Description	Examples from Interviews
Need for Flexibility	Participants expressed the need for more flexible, self-paced learning opportunities	"It's hard to attend all sessions in person due to work commitments."
Focus on Innovation	There was a noticeable gap in CPD programs focusing on culinary innovation and emerging trends	"We need more focus on food technology and sustainable practices."
Hands-on Learning	Participants emphasized the importance of practical, real-world training opportunities	"Workshops and practical sessions are far more valuable than lectures."

#### 9.1 Summary of Key Findings

Category	Frequency of Mention (%)	Implication for CPD Programs
Flexibility of Learning	60%	Online modules and blended learning approaches
Focus on Innovation	55%	Integration of culinary innovation, food technology, and sustainability
Hands-on Learning	75%	Increased focus on practical, real-world training opportunities

### X. LIMITATIONS OF THE STUDY

The study is limited by its geographical and sectoral focus, as it was conducted exclusively within Malaysia's food and beverage industry. Additionally, the reliance on self-reported data introduces the potential for bias. Future research should explore a broader range of participants and settings to ensure more generalized findings.

### XI. CONCLUSION AND RECOMMENDATIONS

The findings of this study highlight the need for a more tailored approach to CPD programs within Malaysia's food and beverage industry. While current programs meet the basic regulatory compliance requirements, they fail to address broader industry needs, particularly in areas such as culinary innovation and strategic business management. The study advocates for a restructuring of CPD programs to incorporate

flexible learning options and more hands-on, practical training.

#### Recommendations:

##### 1. Customization of CPD Content:

CPD programs should be tailored to meet industry-specific needs, with a strong emphasis on culinary innovation, sustainability, and business strategy.

##### 2. Flexible Learning Formats:

More online courses, blended learning formats, and self-paced modules should be introduced to accommodate professionals' busy schedules.

##### 3. Hands-on Learning Opportunities:

Practical workshops, internships, and real-world applications should be incorporated into CPD programs to enhance skill development.

## XII. SUMMARY OF RESEARCH QUESTIONS, HYPOTHESES, AND ACHIEVEMENTS

#### Research Question 1 (RQ1):

To what extent is the content of CPD programs relevant to the practical needs of professionals in Malaysia's food and beverage industry?

#### Hypothesis 1 (H1):

There is a **positive correlation** between the **relevance of CPD content** and the **perceived improvement in professional competencies** among F&B professionals in Malaysia.

- **Achievement:**

The study confirmed that relevant, industry-specific content is essential for CPD program effectiveness, validating **H1**.

#### Research Question 2 (RQ2):

How effective are the current delivery methods (e.g., in-person, online, blended learning) of CPD programs in providing flexible learning options for industry professionals?

#### Hypothesis 2 (H2):

Flexible delivery modes (such as **online learning** or **blended learning**) are more **effective** in enhancing **learning outcomes** compared to traditional classroom-based CPD programs.

- **Achievement:**

Flexible learning options lead to improved learning outcomes for busy professionals, confirming **H2**.

#### Research Question 3 (RQ3):

What are the main gaps in existing CPD programs regarding innovation, sustainability, and practical application in real-world scenarios?

#### Hypothesis 3 (H3):

CPD programs that incorporate **hands-on, practical learning** have a **greater impact** on the improvement of professional competencies than those that are primarily theoretical.

- **Achievement:**

CPD programs must incorporate more hands-on learning to improve practical competencies, supporting **H3**.

#### Research Question 4 (RQ4):

What are the perceptions of F&B professionals regarding the importance of hands-on, practical learning as part of their CPD?

#### Hypothesis 4 (H4):

Existing CPD programs in Malaysia's F&B industry do not adequately address the needs for **culinary innovation** and **sustainability practices**.

- **Achievement:**

The study confirmed **H4**, demonstrating that CPD programs must place a greater emphasis on innovation and sustainability.

## REFERENCES

- [1]. Aziz, N. A., Hassan, H., & Mahmood, N. Z. (2021). Professional development and its importance in the foodservice industry. *Malaysian Journal of Hospitality & Tourism*, 14(2), 25-32.
- [2]. Che Omar, C. M. Z., Noh, A. M., & Jusoff, K. (2018). The Malaysian food and catering industry: Trends and challenges. *International Food Research Journal*, 25(3), 89-101.
- [3]. Hassan, H., Salehuddin, M., & Rahim, M. A. (2020). The impact of tourism on the development of Malaysia's food and beverage industry. *Journal of Asian Tourism Research*, 14(3), 134-150.
- [4]. Kolb, D. A. (1984). *Experiential learning: Experience as the source of learning and development*. Prentice-Hall.
- [5]. Knowles, M. (1978). *The adult learner: A neglected species* (2nd ed.). Gulf Publishing.
- [6]. Smith, B. (2019). *The evolving role of professional development in the*

- hospitality industry. *Journal of Culinary Arts & Science*, 16(1), 34-49.
- [7]. Tisch, D., & McKeown, C. (2019). Culinary innovation in global food systems. *Global Food Journal*, 12(4), 56-70.
- [8]. Yeo, J., Lim, T., & Yii, K. (2021). CPD programs in Malaysia: A review of current practices. *Journal of Asian Business*, 8(2), 67-75.