

TRAINING TEXTILE KNOWLEDGE SUPPLY CHAIN BASED SERVICE “PRAKTIS” IN SOUTH OF JAKARTA

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Abstract

With a strong domestic market demand, in textile and clothing manufacturing centers in Indonesia. Micro, Small, and Medium Enterprises (MSMEs) play a very significant role. Despite all of the limitations, MSMEs are unable to use the supply chain management that large-scale businesses do, and their operations are frequently unpredictable. Therefore, the availability of supply chain-based services provides MSMEs with helpful solutions to their difficulties. The goal of knowledge textile training is to support MSMEs in growing their businesses by providing training to Supply Chain service named Praktis located in South of Jakarta starting September until November 2023 to 22 participants from different divisions such as sales, procurement and merchandiser who are dealing directly to MSMEs actors. The program consists of discovery learning, sharing experience and discussion. The result participants trained were enthusiastic and the training textile knowledge were targeted to empower service more efficient. The training received a rating 4,78/5 and the level of understanding of respondents achieved to 95,6 %.

Keywords: Textile Training, MSMEs, Supply Chain Based Service

INTRODUCTION

The manufacturing sector with the biggest growth rate in Indonesia is the textile and clothing sector. The Ministry of Industry in Indonesia recently published "Making Indonesia 4.0," an integrated roadmap for putting several ideas into action to welcome the Industry 4.0 era (Kemenperin, 2019). One of the things is through its garments and textiles. The growth of this industry is being given priority, along with five other manufacturing areas. (Antara Kantor Berita Indonesia, 2023)

The national textile and textile product (TPT) business is becoming more competitive on the international stage due to its high level of competitiveness. Indonesian government hopes that by 2030, industry TPT would rank among the top five globally.

In line with high demand in the domestic market, which is reflected in increased production in textile and apparel production centers. Small-scale firms play an important role in this industry.

The role of Micro, Small, and Medium Enterprises (MSMEs) as a national or international business scale player plays a critical role in the Indonesian economy. MSMEs

have contributed to Indonesia's Gross Domestic Product (GDP) of more than 60% or around IDR 8,573 trillion every year. Indonesia's Micro, Small, and Medium-Sized Businesses is the foundation of the nation's economy. (Badan Koordinasi Penanaman Modal & Ministry of Investment, 2017).

Large-scale businesses with high amounts of raw material, information, and financial flow frequently use Service Chain Management. Among the recognized strategies for fashion and textile retailers to maximize their performance and maintain their competitiveness is to establish a lean and agile supply chain (Hilletofth & Hilmola, 2008). The process of controlling the movement of products and services into and out of a company, involves each stage in transforming raw materials and components into finished items and delivering them to the final consumer.



Figure 1. Supply Chain Management Secara Umum

Source: (Prazos et al., 2022)

Unfortunately, not all small business owners benefit from SCM due to their limited IT infrastructure and financial investment. Therefore, a one-stop supply chain center service will be able to help these Micro, Small, and Medium Enterprises (MSME) to expand and accelerate their business level with practical solutions. Training textile knowledge plays an important role in the development of Indonesian MSMEs.

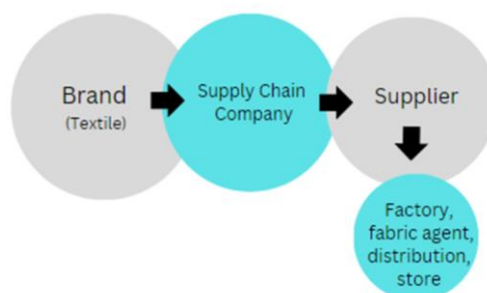


Figure 2. Flowchart for *supply chain-based service*

Source: Personal Documentation

IMPLEMENTATION METHOD

The training took place on September 27, September 18, October 22, and November 22, 2023, for three hours. The training consists of

1. Preparation stage

Author came Parktis Supply Chain service having discussion and identify problem on filed encountered related to textile issues.

2. Training

Author conduct a raining stage consist of discovery learning, sharing experience and discussion.

3. Evaluation

Author conduct an evaluation to test the knowledge of participants and participants evaluate as well

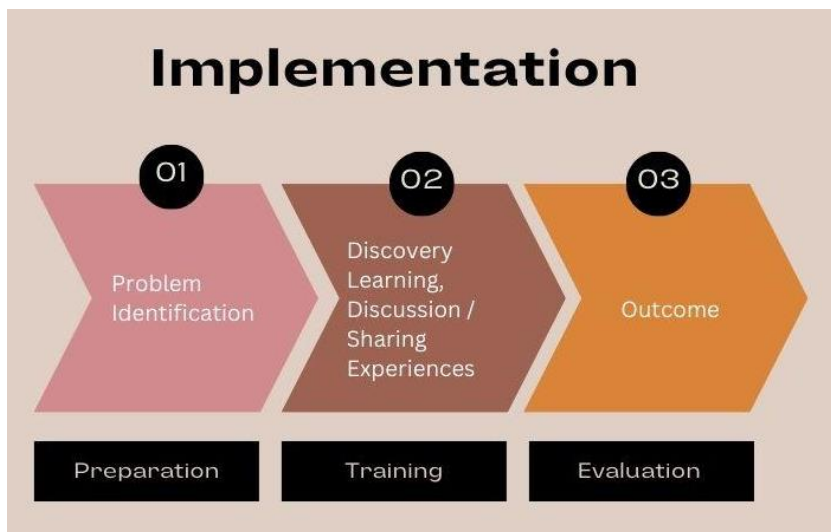


Figure 3. Implementation Method

Source: Personal Documentation

RESULT AND DISCUSSION

The objective of the training is to provide knowledge in the field of textiles or materials used in the fashion industry, specifically in the three departments of sales, procurement, and merchandiser division since every few salespeople have an educational background or experience working in the textile sector. The objective aims to broaden the sales department's understanding of textiles so that it can advise brands on appropriate fabric usage for particular products and uses. Indirectly, this training aids in the expansion of MSMEs in Indonesia.



Figure 4. During training
Source: Personal documentation

The session was conducted periodically starting from October to November 2023. The training is to elevate knowledge on:

1. Textile Intro, Textile Fiber, Textile Construction
2. Types of textiles, advantages and disadvantages of each type of textile
3. Selection of suitable textiles for a particular product
4. Textile consumption
5. How to research and forecast textile trends
6. Textile development

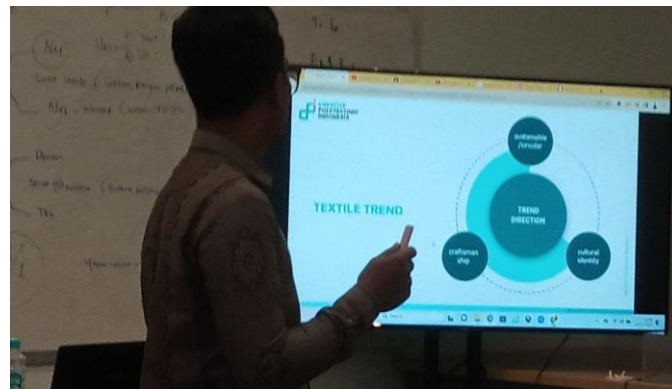


Figure 5. Trend textile direction material
Source : Personal documentation



Figure 6. Quiz door prize
Source: Personal documentation

Some materials were divided into three major components such as introduction to textile, fiber properties/characteristics of textile fibers, and textile trends:

Tabel 1. Training course

SESSION	MATERIAL	ACTIVITY
1	<p>Introduction to textile: Brief basic knowledge regarding the process flow of making textile raw materials from fiber to fabric. A brief explanation of the fiber, thread and fabric manufacturing process as well as the production machines. Differences in the structure of knitted and woven fabrics (Analysis of fabric structure using a microscope). Basic knowledge of the refinement process /<i>finishing</i> on cloth.</p>	<p>2 - 3 hours <i>Discovery learning</i> Question and answer discussion Test the fabric using a microscope Simulation (check participants' clothing materials) Case study</p>
2	<p>Fiber properties/characteristics of textile fibers: Types and properties of natural fibers/<i>natural fiber</i>. Types and properties of artificial fibers/<i>synthetic fiber</i>. Knowledge of the types of fabrics derived from natural and artificial fibers. Differentiate <i>handfeel</i> fabrics derived from natural and artificial fibers. Test the fabric with the 3D method.</p>	<p>2 - 3 hours <i>Discovery learning</i> Test <i>handfeel</i> sample kain Question and answer discussion</p>

		Simulation Case study
3	Textile trends: Fabric classification (gsm). Fabric combining for fashion products. How to read fabric construction. Fabric defects analysis. Sharing session current fashion issue (ex. circular/sustainable fashion).	2 - 3 hours Simulation (<i>one look fashion collection</i>) Question and answer discussion Case study <i>Material review test</i>

Source : Personal Documentation

CONCLUSION

The training took place on 27th September, 18th September, 22nd October and 22 November 2023. Participants in this activity are all 22 total participants from three different division Sales, Procurement and Merchandiser. The training received a rating 4,78/5. Moreover, the level of understanding of respondents achieved to 95,6 %. Our stakeholder found this is a relevant training in addressing their client's product needs. A lot of discussion and case studies are relevant to the training. The training is more straightforward so that both facilitators and users would like to participate in this program again in the future.

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