



## Tailored jacket Pattern for Particular Shape Women

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**Abstract:** The objective of this study was to experiment on making women tailored jacket patterns of English, German, and Thai. The experimental group consisted of eight people: two teachers, two students, two community members and two dressmakers. The patterns were based on Thai women standard shape "size L" for five groups of particular different shape of women 1. Hourglass 2. Apple 3. Pear 4. Round 5. Rectangle. The results from statistical analysis of the standard time study in making the patterns were presented in term of mean. It was found that making the patterns of Thai pattern making was simple and consumed by the minimal average time of 70.29 minutes, The English method took 87.54 minutes and the German method took the highest time of 94.7 minutes.

**Keyword:** Tailored Jacket, and Patterns for Particular Shape Women

### 1. Introduction

Tailored Jacket has for the Thailand since reign of King Rama 5. When the time His Majesty aboard Europe [3]. To the present, The General Tailored Jacket sold in the market has three characteristics of Tailored Jackets to wear to look slim shape, Normal shape, and Particular Shape. The Particular Shape Women want to wear clothes that are too skinny and then higher, that must be worn fit. Appropriate and beautiful fabric used to have high quality.[6] The particular Shape Women has a tendency increased because of the lifestyle changed. [8] Tailored Jacket Patterns is important and very influencing shape.

It appears that at present there is none of education and research about Tailored jacket Pattern for the Particular Shape Women, especially in Tailored jacket for the particular Shape Women for five groups of particular different shape of women as; 1. Hourglass 2. Apple 3. Pear 4. Round, and 5. Rectangle. [4] All of them might buy the clothing that are not beautiful like tailor. (Make to order), at present, how to made Tailored jacket Pattern that there are many popular styles used in clothing and textile industry. They are the pattern of English, German, and Thai. A good Pattern with a high quality will enhance the personality. And would help to improve the particular Shape for women to look beautiful.

The researcher was interested in Tailored jacket Pattern for Particular Shape Women using a comparison of methods to do the cutting and the adjustment pattern of English, German and Thai. The results will be useful to the establishment of a garment and

Garment factories that produce Tailored Jacket for women . Enhancing the capacity the Thai garment industry and the international level.

## 2. Objective

The experiment that to make Tailored jacket Pattern using English, German and Thai methods. A comparison of the standard times to make patterns. Choosing the easiest method of Pattern making, that will take a minimal time of working on a Master Pattern.

## 3. Material and Methods

### 3.1 Material and Equipment

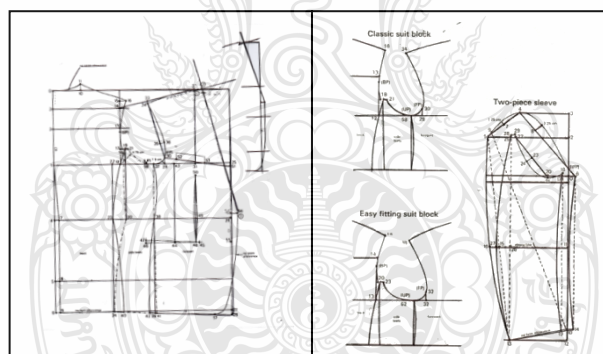
3.1.1 The materials used in the study were Brown cutting paper (60 gram).

3.1.2 Equipment used in the experiment is the time recorder.

### 3.2 Methods

3.2.1 How to do the three pattern types.

3.2.1.1 Method the English pattern



*Figure 1 : Method the English pattern*

Source : Winifred, 1991. [7]

3.2.1.2 Method the German pattern

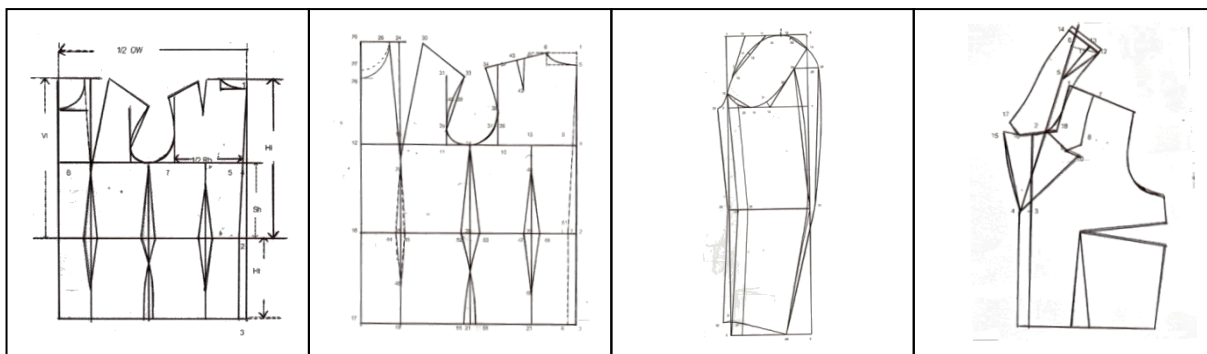


Figure 2 Method the German pattern

Source : FuangFurat, 2002. [8]

### 3.2.1.3 Method the Thai pattern

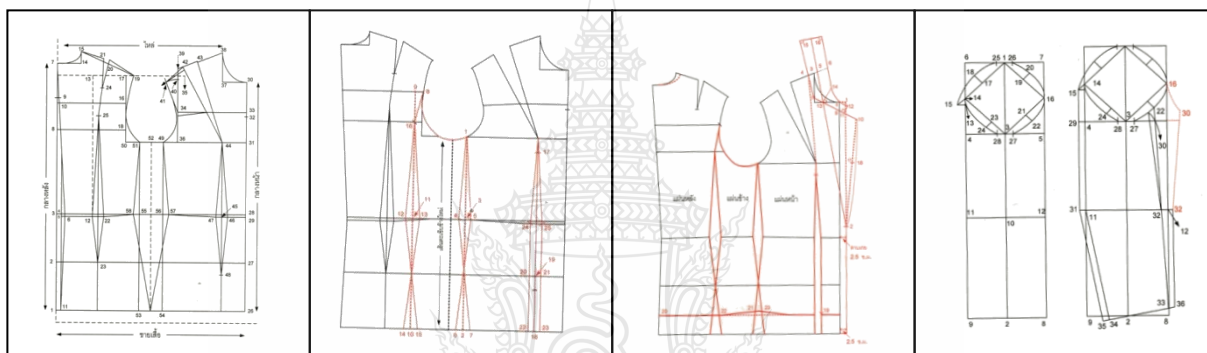


Figure 3 Method the Thai pattern

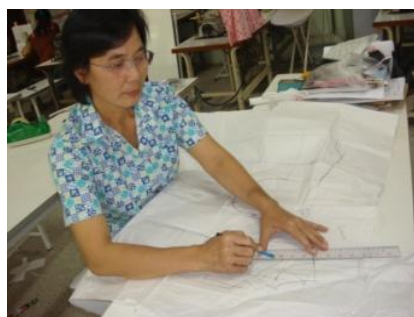
Source : Benchawan, 2005.[1]

3.2.2 The experimental group consisted of eight people: two teachers, two students, two community members, and two dressmakers. The patterns were based on Thai women standard shape “size L”

3.2.3 Recording the three standard times of the three patterns' making techniques presented in terms of percentage and mean using ANOVA.

## 4. Results and Discussion

4.1 A making women tailored jacket patterns of English, German and Thai, the experimental group was divided into the three methods that studied the standard times of the patterns making techniques with the time recorder. The results of Figure 4. and the experimental results are shown in Table 1.





**Figure 4 :** The making and timing of the experimental group.

**Table 1 :** The standard time of tailor's tailor made using the English method.

Experimental group.	No	Repeated (time).			Total	Average	Average total	Average time
		1	2	3				
teacher	1	90.00	80.00	60.00	230.00	76.67	75.17	87.54
Teacher	2	85.00	78.00	58.00	221.00	73.67		
student	1	107.00	90.00	80.00	277.00	92.33	96.33	
student	2	100.00	109.00	92.00	301.00	100.33		
community	1	120.00	110.00	95.00	325.00	108.33	99.33	
community	2	74.00	107.00	90.00	271.00	90.33		
dressmaker	1	90.00	85.00	70.00	245.00	81.67	79.33	
dressmaker	2	80.00	82.00	69.00	231.00	77.00		
<b>Total</b>	<b>8</b>	<b>93.29</b>	<b>92.63</b>	<b>76.75</b>	<b>262.63</b>	<b>87.54</b>	<b>87.54</b>	

Table 1 shows the standard time of tailor made using the method of English. It was found the patterns of teachers were the minimal average time of 75.17 minutes, dressmakers took 79.33 minutes, student took 96.33 minutes and community member took the highest time of 94.7 minutes.

**Table 2 :** The standard time of tailor's tailor made using the German method.

		Repeated (time).			Total	Average	Average	Average
Experimental	No	Repeated (time).			Total	Average	Average	Average
Experimental group.	No				Total	Average	Average total	Average time
		1	2	3				
teacher	1	90.00	80.00	60.00	230.00	76.67	76.83	
Teacher	2	88.00	85.0	58.00	231.00	77.00		
student	1	118.00	100.00	90.00	308.00	102.67	103.00	
student	2	115.00	101.00	94.00	310.00	103.33		
community	1	120.00	115.00	95.00	330.00	110.00	109.67	94.71
community	2	123.00	112.00	93.00	328.00	109.33		
dressmaker	1	100.00	90.00	80.00	270.00	90.00	89.33	
dressmaker	2	97.00	88.00	81.00	266.00	88.67		
Total	8	106.38	96.35	81.38	284.13	94.71	94.71	

Table 2 shows the standard time of tailor's tailor made using the method of German. It was found that the patterns of teachers were the minimal average time of 76.83 minutes, dressmakers took 89.33 minutes, student took 103 minutes and community member took the highest time of 109.67 minutes.

**Table 3 :** The standard time of tailor's tailor made using the Thai method.

		1	2	3				
teacher	1	80.00	75.00	45.00	200.00	66.67		
Teacher	2	70.00	50.00	45.00	165.00	55.00	60.83	
student	1	90.00	70.00	60.00	220.00	73.33		
student	2	88.00	74.00	64.00	226.00	75.33	74.33	
community	1	100.00	80.00	60.00	240.00	80.00		70.29
community	2	94.00	78.00	58.00	230.00	76.67	78.33	
dressmaker	1	85.00	60.00	55.00	200.00	66.67		
dressmaker	2	82.00	74.00	50.00	206.00	68.67	67.67	
Total	8	86.13	70.13	54.63	210.88	70.29	70.29	

Table 3 shows the standard time of tailor's tailor made using the Thai method. It was found that the patterns of teachers were the minimal average time of 60.83 minutes, dressmakers took 67.67 minutes, student took 74.33 minutes and community member took the highest time of 78.33 minutes.

## 2. The comparison of the standard times of the pattern making techniques

### **Table 4 :** conclusion the average time of the pattern making techniques

The conclusion of the time used of the tailored jacket patterns was that the English pattern, the teachers took the time in minimum (75.17 minutes), and dressmaker took (79.33 minutes ) The German pattern, teachers took the time in minimum (76.83 minutes), and dressmaker took (89.33 minutes). The Thai pattern, teachers took time in minimum (60.83 minutes), dressmaker took (67.67 minutes ). Teachers can produce 3 patterns with the minimum times. This may be the result from teachers have more in the knowledge and experiences than the other groups, followed by a dressmaker. Students and the community respectively.

### **Table 5 :** The analysis of variance of the three pattern making methods.

The Methods	Average Time to made the patterns (minutes)			
	Teachers	Students	community	dressmakers.
English	75.17	96.33	99.33	79.33
German	76.83	103	109.67	89.83
Thai	60.83	74.33	78.33	67.67

Source of Variation	df	SS	MS	F	Sig
Between groups	3	1165.34	388.45	2.302	0.15
Within groups	8	1350.02	168.75		
Total	11	2515.37			

The result of the analysis of variance of the patterns, English, German, and Thai have the statistical significant at the .05 level. The variation of the mean do not differ.

The standards time of the Thai method was simple with the minimal average time of 70.29 minutes, English took 87.54 minutes and German took the highest time of 94.7 minutes. The garment industry is working 8 hours or 480 minutes per day with the minimum wage Labor Law at 215 baht per day. The cost of Thai pattern is 31.48 THB. (215 THB  $\times$  70.29 min. / 480 min.) The cost of English pattern is 39.21 THB. (215 THB  $\times$  87.54 min. / 480 min.) The cost of German pattern is 42.42 THB. (215 THB  $\times$  94.71 min. / 480 min.)

The result was found that making the patterns using Thai method was simple with the minimal average time of 70.29 minutes and minimal cost of 31.48 THB.

## 5. Conclusion

The result from the research represent the Thai method for pattern used the minimal time which was 70.29 min in average. The English method took 87.54 minutes and German took the highest time of 94.7 minutes. In addition, the teachers group was fastest group among others using the Thai pattern making method with the minimal average time of 60.83 minutes, and there was no difference in the variation of the mean value, at the statistical significant level of .05 .

## 6. References

- [1] Benchawan Bungtong.: *The garment of tailor women, Teaching publications*, UdonThani, (2005).
- [2] FuangFurat Mungthaweesinsuk.: *Construction of the German clothing industry - Women*, Bangkok, The University press, Kasetsart, (2002).
- [3] Puangpaka Kurowat.: *History of costume*, Bangkok, Odian Store, (1980).
- [4] Sakorn Cholsakorn.: *Shape and structure of clothing*, Bangkok, Triple education, (2010).

- [5] Srikanjana Polasa.: *The standard Size of Thai people*, Teaching publications, Faculty of Home Economics Technology, Rajamangala University of Technology, Thanyabur, Pathumtani, (2010).
- [6] Sunee Adunsuk.; Junpen Sealim.: *Product comparison with the clothing tailor made Garments*, Bangkok, Vocation and Technology College, (Duplicate), (1987).
- [7] Winifred Aldrich.: *Metric Pattern Cutting for Menswear Great Britain*, The University Press, Cambridge, (1991).
- [8] Winit Sonprint.: *the adjustment styled patterns and shape*, 2nd edition, Bangkok, Kaitkanpim, (2007).

