

Utilization of camel hair in textile handicraft industry (survey study in Afif Province in Saudi Arabia)

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Abstract:

the study aimed to evaluate the range of Camels hair collect and used in textile Product in Afif Province in Saudi Arabia, the study sample consist of 20 villages distributed randomly in Afif Province which content of 163 villages and Centers . To achieve the target of the study, the descriptive analytical method was used and the scale (questioner) was applied after having checked its psychometric properties to collect information , And to answer question of the study the SPSS program was used to found the percentage of all scale items questions. The study concluded to high availability proportion of camels seen in Afif province, and available camels hair color is Black , White then Brown , high percentage of Afif people collect and do some processing to camels hair. The study result also showed that there is handilt textile industry product from camel's hair.

Based on the finding of the study, the researcher set a number of recommendation.

Key words: camel hair ,handicraft, textile fiber, afif provence.

Introduction:

Textile animal hair fibers like camel hair, rabbit hair, goat hair, horse hair and wool sheep are part of the local economy for some States, where these fibers are used in the production of coats , tents , fillers and some other local uses .

All animal hair fiber have chemical composition are similar but differ in physical characteristics such as softness, length and section of filament.

Camel hair had special specifications such as brightness , smoothness, warmth and natural color and consider valuable if mixed with other textile filaments or if used individually. and the quality of the camel hair effect by the breed, and climate, nutrition and general health of the animal (Nagal, 2006).

Camel hair was taken from two type of camels, Dromedary camels or Arabian camels which has one hump and Bactrian which had two-humped reside in cold regions, camel hair consider as fine textile fibers used in the United States for the production of high quality coats as well as in China and Mongolia (Petrie, 1995). **Objectives of the Study:**

The study aim to achieve the following objectives:

- 1 - know extent of interest in fleecing camel hair in Afif.
- 2/ know extent of interest in collecting camel hair in Afif.
- 3/ Identify the extent of interest in the manufacture of yarns and fabrics from camel hair in Afif .
- 4/ Identify the extent of the use of textile product made from camel hair in Afif.
- 5/ know if marketing camel hair textile product in Afif.

Statement of the Problem:

Assess the usefulness of the camel hair in textiles in Afif in Saudi Arabia as the camel animals available, to contribute to do Theoretical framework for the development of handicrafts from local material .

Questions of the Study:

- 1 – what is extent of interest in fleecing camel hair in Afif.
- 2- what is extent of interest in collecting camel hair in Afif.
- 3/ what is the extent of interest in the manufacture of yarns and fabrics from camel hair in Afif.
- 4/ what is the extent of the use of textile product made from camel hair in Afif.
- 5/ what is the extent of marketing camel hair textile product in Afif.

Field of the Study :

The field of the study are the province Afif on Saudi Arabia which consists from 163 village and center (afif. Gov.sa).

Subjects :

twenty (20) villages of Afif province in Saudi Arabia.

Tools : A Questionnaire To achieve stability and validity of the tool, split half method (Spearman and Brown correlation coefficient)was used with .

Table No “1” Validity and Reliability of the tool

Reliability Coefficient	Self honesty Factor
0.90	0.80

Analysis and Interpretation of the Results :

Data analysis :

“SPSS” program was used to manipulate the data statistically, frequency and percentage was used for the answers.

The Result and discussion :

From the table(2) found that 80% People in the region of Afif have camels while 20% of people do not have, this indicates a high presence of camel in the region of Afif then camel hair obtained from the animal's body by fall dawn in end of spring and early summer or fleecing by hand or using the machine electrical one time or returned times per year. From the table (2) 72% of camel hair collected by fall dawn, while 18% fleecing , and 64% agree locals that they collect camel hair to take advantage from it.

Also from table(2)found that The most prevalent camel hair color in Afif province are black 48% then white 28% white and 24% brawn .

In textile industry always used original color of camel hair like a Dark brown and Black because it is difficult bleaching and dyeing(the 4-H (2014)

Table No. (2) preliminary information on camel hair in Afif province.

Variable	percentage	
What is the color of camel hair in Afif ?	white	28.0
	Brown	24.0
	black	48.0
Are you have camel in your village ?	yes	80.0
	no	20.0
remove hair from camel body by	Fall down	72.0
	fleecing	28.0
When the camel hair fleecing?	spring	18.0
	summer	54.0
	multiple	28.0
camel hair collected to uses?	yes	64.0
	Some times	28.0
	never	8.0
Where is the fineness hair in the camel body?	Back	24.0
	abdominal	34.0
	legs	14.0
	neck	28.0

Table No (3) preparation do in camel hair in Afif Province.

Variable	percentage	
Do camel hair sorted?	yes	68.0
	Some times	22.0
	No	10.0
Do camel hair cleaned after collected?	yes	70.0
	Some times	26.0
	No	4.0
How do camel hair cleaning ?	With soap and water	62.0
	By beaten	38.0
Do camel hair Bleaching ?	yes	26.0
	Some times	36.0
	No	38.0
Do camel hair Dying ?	yes	36.0
	Some times	48.0
	No	16.0
What is the type of dyes?	Neutral dyes	36.0
	Industrial dyes	28.0

Table No (4) textile industry from camel hair in Afif Province

Variable	percentage	
Are there yarns product from camel hair in the province?	YES	68.0
	No	32.0
Are the yarns product from camel hair in the province mix with another type of textile fibers?	YES	26.0
	Some times	64.0
	No	22.0
What is the type of fibers used with camel hair in the region?	Cotton	20.0
	sheep wool	58.0
	Industrial fiber	22.0
Is the camel hair use as the filler fibers in the region ?	Yes	50.0
	Some times	34.0
	No	16.0
Are there is handicraft textile industry in the region?	YES	64.0
	No	36.0
Is the camel hair fibers use in handicraft textile industry?	YES	70.0
	No	30.0

Table No (5) use of the product from camel hair in Afif Province

Variable	percentage	
Is there use of Sadu in the region?	YES	74.0
	No	26.0
Is Sadu produce locally?	YES	67.0
	No	33.0
Is the camel hair use in Sadu product?	YES	81.0
	NO	29.0
Are you have kilim?	Yes	70.0
	No	30.0
		52.0
Is Kilim produce locally?	YES	36.0
	No	80.0
Is the camel hair use in Kilim ?	YES	20.0
	No	56.0
Are you have garment which camel hair used to produce it?	YES	44.0
	No	52.0
Are clothes that enter into production camel hair	Valuable	52.0
	Normal	36.0
	cheap	12.0

After collected camel hair , cleaned then make the process of bleaching and dyeing it then converted into yarns which woven into the fabric or used as filler for the mattresses and pillows, soft camel hair always used to work fabric while a coarse uses as filler (Kaswell ,1953) Table (4) shows that 68% agree camel hair converted to yarns in their area , Where camel hair combs for making parallel fiber after clean with soap and water or beaten, and then gives the number of twist manually to product yarn, from previous table 26% said camel hair in the region convert to yarn without mixing with other fibers, while 64% believed that sometimes mixed with other fibers such as cotton and wool or industrial fiber such as polyester, nylon , And Table No. (4) found that sheep's wool is the most widely used fiber for mixing with camel.

After produce yarns are converted to manual textile , which produced by ground loom, a popular machine for textile manually without using the electric motor, In Afif Province 70% of people agree that camel is used in the textile industry in their area.

from the Tables (2, 3, 4,5) found that in Afif Province they collected camel hair then converted to yarn and then used a traditional manual methods of produce fabric, and types of fabrics which usually produces traditional Sadu , Sadu is a type of traditional manual produced by ground loom from camel hair and cotton have bright colors and beautiful decoration, example of Sadu textiles products hair homes , Rugs are used in salons and bands that are used to connect the legs of the camel, and from the Table (5) 74% people in Afif area use Sadu product while 67% of people said production of Sadu locally while 33% say the Sadu not manufactured in the region imported from other areas within the Saudi Arabia , Also Examples of handmade textile producing locally handmade carpets(Kilim) features bright colors, durability and does not attract dust. 70% of people in the region that have Kilim while 30% do not have a Kilim, 52% agree that there is manufacturing of Kilam in their area, and 80% of people agreed that the camel enters a manual carpet that is produced locally in the region of Afif. It is also possible to produce different garments of camel, 56% of chaste area owned clothing enters production, camel, and 52 percent considered the luxury clothing while 36 percent is garments produced camel casual clothes and only 12% believed it is cheap. and 86% of people agree that there for the production of clothing produced by camel hair in the Afif province.

Table No (6) marketing the product from camel hair in Afif Province

Variable	percentage	
	Do you sell camel in your region?	YES
Some times		38.0
No		8.0
Is the price of camel hair	Valuable	46.0
	Normal	50.0
	cheap	4.0
Do you sell products uses camel hair in its industry?	Yes	82.0
	No	18.0

Table No. (6) shows that 54% of people agree that there is a sale to camel hair in the region, while 8% of them consider that the camel not sold. And 82% of people agreed that camel hair products are sold in the region and.

Recommendations:

- 1- Officials directing studies to draw on the experience of older persons in the field of handicrafts, which started out--until it is renewed and developed to cope with the present and save the history of the region.
- 2- Do further studies to estimate the amount of camel hair in Afif area and know the chemical and physical properties.
- 3- Authorities should have attention to camels hair available in the area of Afif .
- 4 - Dissemination of the culture of using local raw materials and utilize them to produce products.
- 5- use new techniques to produce products of camel hair suitable with modern developments.

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