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## **THE RESEARCH OF THE PRELIMINARY PROJECTS FOR ELABORATION OF NEW MODEL OF FABRIC SELECTION ON THE BASIS OF THE ANALYSIS OF THE CHILDREN'S GARMENTS**

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*Abstract: In this article, the range of children's clothing for kindergarten age were studied by the types of fabrics, raw materials and the decorations used in them, and the initial design work was done for the new model based on marketing analysis.*

*Keywords: ironing, jeans, flannel, model, analysis, knitwear, combination, raw material, model, durability, marketing, brand, fittings.*

Clothes make a person's image. Today, the attention, needs and demands of our people, especially our youth, to dress and choose their clothes are growing. Therefore, it is important to satisfy the growing demand of our people at the expense of quality products made in our country. In the recent years, consumer demand for textiles has been growing. Therefore, it is important to fill our domestic markets with high-quality clothing produced in our country, as well as to increase the export capacity of our country which ensures that textiles can compete in the world and domestic markets. Taking advantage of the

created opportunities, the number of clothing companies, home-based workers, family entrepreneurs is growing year by year<sup>[1]</sup>. Most of them produce men's, women's and children's clothing, sportswear and take their place in the markets of the republic and neighboring countries. The production of garments, especially in the formation of children's wardrobe, requires a great deal of responsibility and attention to the sewing process. Today's consumer parents want their children to be dressed in beautiful and unique ways. The market economy sets enormous and important tasks for light industry employees and fashion designers by studying the needs of consumers.

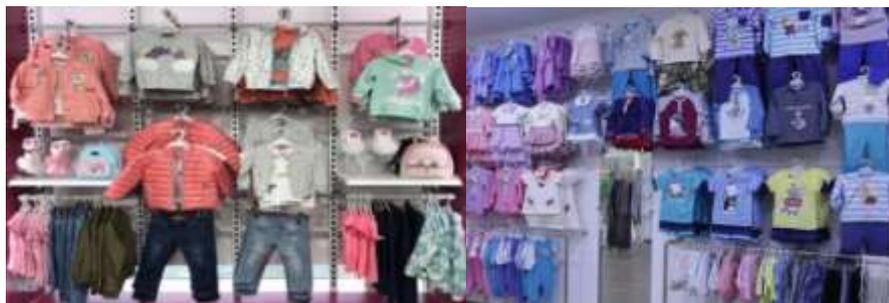
Changes in the body of healthy children are very quick and high. Children move regularly, do more physical activities like climbing, running, jumping and etc. Therefore, children's clothing should be comfortable, durable and natural. Many parents choose sports-style clothes for their children because they provide the child with almost unlimited freedom of movement, high resistance to external factors that affect the clothes<sup>[2]</sup>.

The assortment of children's clothes has been studied on the basis of age groups and marketing analysis, and shopping centers and the markets in the region have been studied in order to introduce a new model of sewing in production.



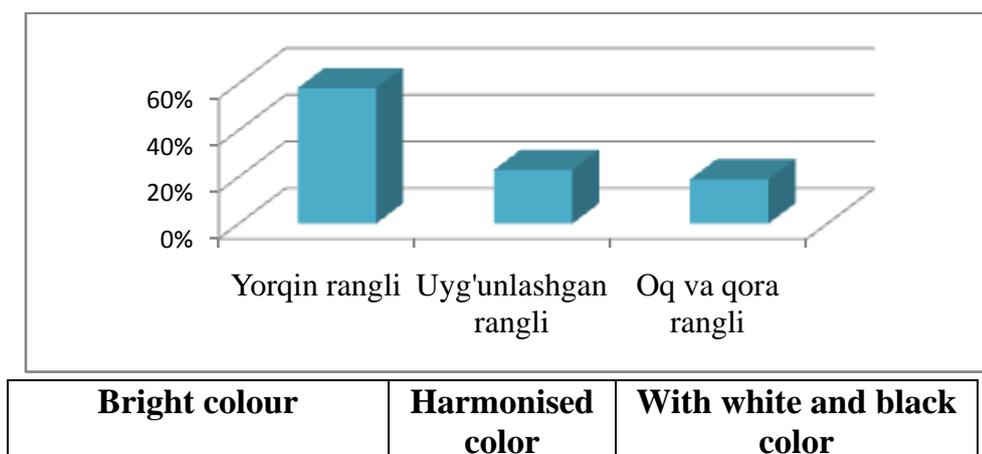
**Figure 1. The Assortment of baby garments**

Newborn babies are highly sensitive and prone to various allergic reactions. Fabrics with high natural properties are selected to make baby products. Not only fabric but also the design and technology of sewing are important in the production of baby clothes, and we recommend that the clothes be as simple as possible, with connecting stitches as much as possible, do not use zippers, glass buttons when applying decorations.<sup>[3]</sup>



**Figure 2. The assortment of kindergarten children**

The kids are curious. And as a baby gets older, he or she starts to immitate adults. They want to explore the environment, nature, the world, and imagine their heroes. In order to study the needs and requirements for light clothing among parents and consumer children of kindergarten age, a survey and analysis was conducted at "Wounder kids", the non-profit children's preschool institution in Chust / Chust district.(figure 3).



**Figure 3. The analysis of “Colors selection” survey**

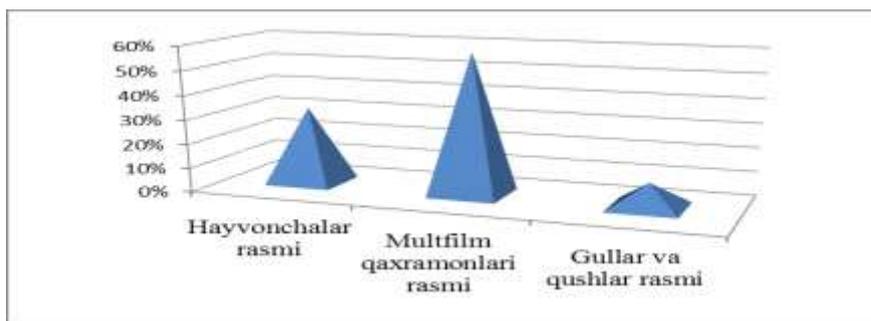
In summer and autumn, children's fashion is similar to that of adults. However color combinations can vary. Depending on the wishes of the parents, we recommend the use of warm colors for babies, the colors of choice for children of kindergarten age.

Any clothes chosen by a child should express his personality, and the decorations used in them should serve to cheer them up and enhance the interest.



**Figure 4. The application used for kindergarten children’s garments**

According to the results of the survey conducted on decorations of kindergarten children’s clothes, out of all participants, 32 % wanted the applications with various animals, birds, butterflies, 58 % wanted the characters of cartoons and fairytales, 10 % wanted flowers and birds in their applications (figure 5).



Picture of Animals	Picture of cartoon characters	Picture of flowers and birds
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**Figure 5. The analysis of the survey and contest ”The decoration used on the garments”**

Kindergarten children’s bodies grow quickly. The constant growth of the child is taken into account when buying clothes. Therefore, it is advisable to choose clothes 2-3 cm larger, otherwise in the middle of the season the clothes may be too tight or too short for the child's body. The chosen model should not only give the child aesthetic pleasure, but also be resistant to hygienic, physical and mechanical influences while wearing it.<sup>[3]</sup>

In the process of preparation of children's garments, natural fabrics are selected. In summer, cotton, linen and silk, light knitwear, batiste, calico; in

autumn, clothes made of high-heat and hygroscopic fabrics such as mixed fiber cashmere, chiffon and jeans are chosen. <sup>[4]</sup>.

The modern market of children's products is filled with several clothes made of various fabrics. What fabrics are used by parents who buy items for their children? And which fabrics are the best choice for children's clothing? No idea about it. Today, knitwear, jeans, flannel and various fur fabrics are used in the sewing products created by the world's leading children's clothing garments. Fabrics for children's clothes should be soft, pleasant for the body and not cause allergic reactions. The following table shows the types and properties of fabrics.

**1-table.**Fabric assortment

№	Fabric	Name of the fabric	Usage
1.		Flannel	Fine soft, lightweight natural cotton or wool fabric lined with single-sided or double-sided wool. Newborn baby clothes are usually made of flannel. They gently warm the body, allow air to pass through and do not irritate the skin.
2.		Korduroy	Velvet. A densely woven fabric of fine threads. The best known type of velvet is the one, which has a printed pattern on the front. Costumes, winter coats, jackets, pants can be made.
3.		Ribana	Knitted fabric made of cotton fiber. Keeps the shape well. Very soft and breathable. It is a widely used and very popular type of fabric in the production of children's garments.
5.		Jeans	Popular and traditional denim fabric in the production of children's outerwear. The fabric made of natural cotton fiber which has the feature of high usability. No pilling. The prepared items allow to use them for long-term.

6.		Wellsoft	<p>Wellsoft or microfiber is a new type of synthetic fabric. It is soft, fluffy and looks like velvet fabric. Wellsoft manufactures winter outerwear for children.</p> <p>Although it is a synthetic fiber, thought to be a safe fabric. Does not collect dust according to the standards, does not cause various allergic diseases and does not irritate the skin.</p>
7.		Mahra	<p>It can be linen or cotton fiber. The fabric is very soft, absorbs moisture very well. Mahra is denser and softer compared to other furry materials. Especially suitable for making bathrobes, towels, sheets and more.</p>
8.		Interlock	<p>It is a smooth knit on both sides with a "rubber band" structure. High quality and resistant to deformation, returns to its previous shape after any stretching.</p>

Garment companies use a variety of textiles to make children's clothing. Being aware of the characteristics of each fabric it would be possible to help parents choose the most comfortable clothes for their children<sup>[5]</sup>.

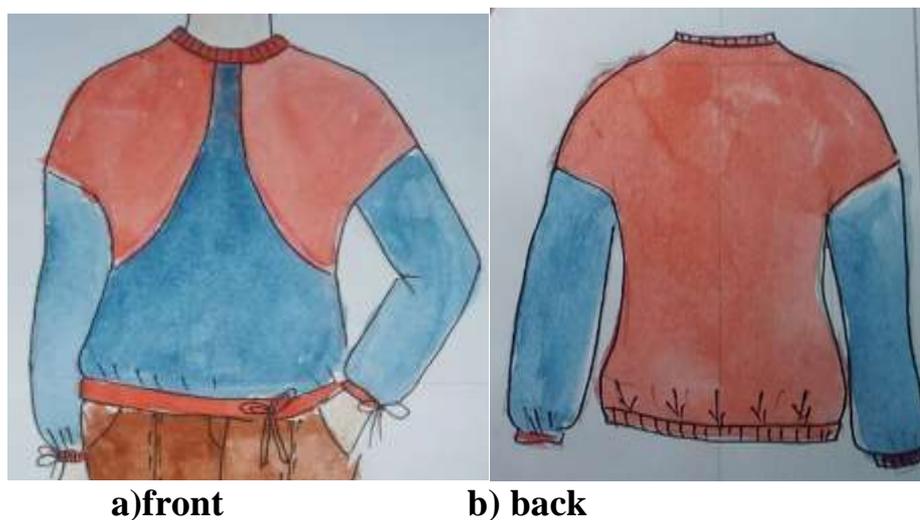
The above fabrics were surveyed among buyers and children and the results were analyzed (figure 6).



**Figure 6. The result of the survey on the analysis of fabrics**

The analysis shows that today manufacturers and consumers have a high demand for knitwear with high natural features, as well as garments made of traditional denim fabrics. These fabrics are present in every brand's collection.

Different prints are very popular in summer and autumn. Preliminary design work was carried out to create a new model of outerwear for kindergarten children which combines jeans and knitwear. A new model has been developed (figure 7).



**Figure 7.The clothes of girls harmonised between denim and knitted fabric**

### **Conclusion**

Pay your attention to the fashion when buying clothes for the spring and autumnas all parents want their children to look more fashionable than anyone else. In such beautiful clothes, the child feels comfortable and develops new creative ideas. Taking into account the outer shape of the clothes and climate, preliminary projects have been carried out in order to create a new model of outerwear which is meant for spring and autumn seasons and harmonised with denim and knitted fabric made of hygienic and aestetically high natural cotton fiber.The range of fabrics for the model has been studied. In the process of study, it has been planned to research the properties of knitwear and denim.



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