ACCEPTABILITY OF WATERMELON-PINEAPPLE JUICE BLENDS

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mental result

Pools are good sources of minerals, viramins and sugars [1]. Fruits are seasonal and highly susceptible to goings due to their high moisture content. In order that they are available all year round, fruits are often processed into different proclacts such as nectars, condials, squashes and inter-

Fear sixes are made from filtered fruit inice with no additives. However, sodium benzoate can be added is a preservative to extend the shelf life [2]. Properly pasteurised nuce has a shelf-life of several months. Most fruits can be used to make juice but the most popular ones are pincapple, orange, mango, emperiors and passion fruit. Fruit juices constitute one of the most important foods for man as their make provinces healthy living [3].

The observe of this study was to determine the acceptability of blends of watermelon and pineapple

Marcrials and Methods

Fully manured, ripe, wholesome and fresh pineapple (Annua annuas) and watermelon (Citrallas Limitas) hars were obtained from Kasamar Gauri (Gwari Market), Minna, Niger State. The pincapple and watermeion fruits were washed and peeled with a stainless steel knife. The peeled pincapple and watermelon fruits were then cut into small pieces and their juices were extracted using an electrical juice extractor. The juices were collected into separate containers and sieved using a muslin cloth. The watermelon and pineapple juices were then blended together using ratios (watermelon:pineapple) 50:50, 8541 7681, 8520 and 90:10 respectively. 100% watermelon juice and 100% pincapple juice served as controls. The blends were then subjected to sensory evaluation by a twenty-member untrained panel song a nine point hedonic scale where nine represents like extremely and one represents dislike extremely [4]. Dara obtained were analysed using analysis of variance (ANOVA) by means of SPSS sunstical package version (16.66).

Results and Discussion

The sensory scores of the juice samples are shown in Table 1. Blending of the fruit juices significantly p<0.05) affected the aroma, colour, taste, mouth feel, and overall acceptability of all the juice samples. The results showed that as the pineapple juice content increased, the sensory scores decreased. Hence 100% pineapple juice had the least score for all the attributes measured. This indicates that watermelon sace is preferred to pineapple juice. However all the samples were acceptable.

Table I: Sensory scores of blends of watermelon-pineapple juice

able I: Sensory scores of b		Samples					
4-000-4-00-00	100:0	90:10	80:20	70:30	60:40	50:50	0:100
Attribute		8.304	7.55	7.40°	7.25 ^h	6.95%	6.50
Aroma	7.80°d 8.00°	7.90	7.45 ^N	7.20	6.80°	6,65%	5.95
Colour	8.20	8.25b	7.70%	7.50 ^{ts}	7.30	7.35*	7.35
Taste	7.90	7,75	7.55	7.25	7.30	7.20	7.10
Mouthfeel Overall acceptability	7.75	8.05	7.48 ^{bs}	7.25*	7,16 th	7.04°	6.66

Means in the same row not followed by the same superscript are significantly different (p< 0.03)

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