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A STUDY ON CONSUMER PERCEPTION ON PREFERRED BRAND OF PROCESSED CHEESE

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KeyWords

Brand, Consumer Perception, Durabilty, Processed Cheese, Quality, Shape, Taste.

ABSTRACT

The purpose of this study is to determine the consumer perception on preferred brand of processed cheese. Specifically, to investigate the perception towards the attractiveness, quality, taste, durability on preferred brand of processed cheese. Components like brand, shape, packaging material, weight, shop where consumers purchase processed cheese were also considered for finding the opinion differences among the consumers. Data were collected through questionnaire from 400 individuals. The study found a significant difference in consumers opinion on quality, taste of processed cheese among age category, income level, shape of cheese, packaging material, weight of cheese and shop where consumers purchased. It is observed that, there was a strong positive relationship between quality and taste of processed cheese for both male and female.

Introduction

Cheese is a dairy product derived from milk and mostly made from Cow's milk. It comprises mostly milk fat and protein. The milk is coagulated by use of the enzyme rennet and the solids are separated and pressed in the final form. Cheese is valued for its portability. The word cheese comes from the Latin word *caseus* from which the modern word casein is derived. Many types of cheeses are produced in different countries all over the world.

Processed cheese is made with the ingredients of Cheese, emulsifiers, saturated vegetable oils, salt, food colourings, whey or sugar. The use of emulsifiers in processed cheese results in a product that melts without separating when cooked. Processed cheese is often sold in blocks, cubes, slices, shreds & spreads.

Branding of food products is being done by manufacturers and brand awareness of these food products in packed form is gaining more value both for the manufacturers and the consumers. For consumers, the value delivered is by means of varieties, ease of shopping, lesser work and time in cooking, longer shelf life etc. For manufacturers it is a value addition in the process of converting commodity into a branded product by processing and packing thereby enhancing their opportunity to get more margins on processing, packaging and creating a value for their brand. Cheese is one of the fast-emerging dairy products that is being used by consumers in India.

"The Indian cheese market is worth around Rs.1700 Crores but is expected to grow at roughly 15-20 percent annually. By industry estimates, the current household penetration in terms of cheese consumption is less than 7-8 percent. The per capita consumption of cheese in India is a mere 200gm per year in contrast to the global average of 7 kg per year. The average per capita consumption for urban India, however, is 700g per person per year. Geographically, the top six cities consume approximately 60 percent of all the cheese sold in India."

The Indian organised Cheese market including its variants like Processed Cheese, Mozzarella Cheese spreads, Flavoured and Spiced Cheese is valued around Rs. 4.5 billion. Processed Cheese at 60% of overall market is Rs. 2.7 billion. The next most popular variant is Cheese spread claiming a share of around 30% of the total Processed Cheese Market. The market is primarily an urban

phenomenon and is known to be growing at around 15%. The market for Cheese Cubes, Slices and Tins is growing.

Literature Review

Tihomir Vranesevic and Ranko Stancec (2003) have done a study on the effect of the brand on perceived quality of food products. They had concluded that consumers do not value products based exclusively on their physical characteristics and that in the process of making a purchasing decision when choosing alternatives.

Olga Ampuero, Natalia Vila (2006) had done a study on Consumer perception of product packaging and concluded that Packaging colour, typography graphic forms, packaging illustrations with respect to class of customers summarised and positioning strategy with the combination of above to transmit the desired perception of consumer

A Colonna, C Durham and L Meunier Goddik (2011) had done a study on the factors affecting consumers' preferences for and purchasing decisions regarding pasteurised and raw speciality cheeses. They had concluded that a larger portion of consumers indicated preferences for the raw milk cheese when the cheeses were labelled and the importance of labelling in selection of a brand was highlighted.

Naser Azad and Mina Mohammadi (2013) had done an empirical survey on the factors influencing on packaging dairy products and determined five factors including infrastructure, awareness, design and communication as important factors influencing consumers.

J. Shilpa Shree, A. Serma Saravana Pandian (2017) had studied the factors influencing the consumption of Cheese in Chennai City, India and concluded that Family Size, Educational status of the head of the household, monthly family income positively influences the cheese consumption.

Gap Analysis

Researcher	Focus of study	Results	Gaps
J.M. Murray, C.M. Delahunty (2000).	Mapping consumer prefe-	Relationships between packag-	Factors from several cate-
	rence for the sensory and	ing and sensory attributes were	gories of preference to-
	packaging attributes of	established	wards product packaging
	Cheddar Cheese		could be analysed
Olga Ampuero, Natalia Vila (2006).	Consumer perception of	Packaging colour, typography	Perceptions were ex-
	product Packaging	graphic forms, packaging illu-	pressed for given point of
		strations with respect to class of	time Positioning percep-
		customers summarised and po-	tion of packaging in accor-
		sitioning strategy with the com-	dance to the market and
		bination of above to transmit	competitor brands for a
		the desired perception of con-	product could be studied.
		sumer is found.	
A. Colonna C. Durham, L. Meunier-	Factors affecting consum-	Raw milk cheese with packaging	Study of labelling and pur-
Goddik (2011).	ers' preferences for and	and labelling has increased ac-	chase of cheese to be ana-
	purchasing decisions re-	ceptance. Consumers	lysed.
	garding pasteurized and	of raw milk cheese and their	
	raw milk speciality cheeses	purchase based on age and	
		point of purchase is analysed	
Nazer Azad and Mina Mohammadi	An empirical survey on fac-	Infrastructure, awareness, de-	The study is limited to one
(2013)	tors influencing on packag-	sign and communication	brand and market could
	ing dairy products	Product data, technical details of	be extended to other
		producer information product	brands and markets
		specification and brand name	
		are major factors influencing the	
		packaging of dairy products	
J. Shilpa Shree, A. Serma Saravana	Factors influencing the con-	Family size, Educational status of	The other factors influen-
Pandian (2017)	sumption of Cheese in	the head of the household,	cing the purchase of

Chennai City, India.	monthly family income positively influences the cheese con-	cheese could be studied
	sumption	

Objectives of the Study

- To study the demographic characteristics of the consumers.
- To find the association between the demographic characteristics and the components of processed cheese.
- To analyse the difference in opinion towards perception on preferred brand of processed cheese among consumers demographic (Age, Gender, Marital Status, Monthly Income, Education Qualification, Family Type) and components of processed cheese (Brand, Shape, Packaging Material, Weight, Shop of Purchase)
- To find the relationship among consumer perception of processed cheese: attractiveness, quality, taste, durability on preferred brand.

Methodology

The data was collected from the residents of the corporation limits of Coimbatore in the 100 wards in 5 Zones. The total population in the 5 zones is 15.86 Lakhs. The percentage of population in each zone to the total population was taken and the proportionate number of samples in each zone to be collected were arrived.

Table A – Distribution of number of respondent's zone wise

	Zone	Total Population (No. of People)	% of Total Population	No. of Respondents
	North	319865	20.16	81
	East	323019	20.36	81
ø	West	327123	20.62	82
	Central	309161	19.49	<i>78</i>
	South	307422	19.38	<i>78</i>
	Total	1586590	100.00	400

Source: Coimbatore Corporation, Draft Ward Delimitation

The sample size as determined by the Krejcie Morgan table is 384 for a confidence level of 95%. The major streets in these zones were listed and every 3rd street was taken and households in these zones were contacted and at least one house per street were covered until the consumer for branded processed cheese were met.

Data Analysis

Table 1: Frequency Distribution for Demographic Characteristics of the Consumers

Variable	Category	Frequency	Percent
Gender	Male	188	47.0
Gender	Female	212	53.0
	<= 25	26	6.5
400	26 - 35	136	34.0
Age	36 - 45	151	37.8
	46+	87	21.7
Marital Status	Married	353	88.3
iviaritai Status	Un Married	47	11.7
	<= 25000	50	12.5
Incomo	25001 - 40000	153	38.3
Income	40001 - 55000	99	24.7
	55001+	98	24.5
	HSC	50	12.5
Education Qualification	UG	260	65.0
	PG	90	22.5
Family Type	Joint	165	41.3

	225	
Nuclear	235	58./
i tuoicui		50.7

(n=400)

The above table shows the frequency distribution of demographic characteristics of the consumers. Gender showed that, Female have the highest frequency value 212 (53%), while male have frequency value of 188 (47%). Among the age distribution of consumers, 72% (majority) of them are coming under the age category of 26 – 45 years. Majority (88%) of the consumers are married. Income category shows that 38.3 % of the consumers are earning between 25001-40000 per month. Coming to their educational level, most of them (65%) have completed their undergraduate programme. Majority (59%) of the consumers are in Nuclear family.

Table 2: Frequency Distribution for Processed Cheese

Variable	Category	Frequency	Percent
	Amul	222	55.5
Brand	Britannia	43	10.8
Бішіш	Milky Mist	123	30.7
	Go	12	3.0
	Block	55	13.8
	Cubes	186	46.5
Shape	Slices	119	29.7
	Shredded	12	3.0
	Spreads	28	7.0
	Aluminium Foil	59	14.7
	Poly Pouches	115	28.7
Dackaging Material	Carton Boxes	150	37.5
Packaging Material	Poly Rigid Container	49	12.3
	Squeezable Poly Tubes	11	2.8
	Tins	16	4.0
	50 g	33	8.3
Maight	100 g	185	46.3
Weight	200 g	99	24.7
	500 g	83	20.7
	Modern Retail Store	85	21.3
Shop	Departmental Store	256	64.0
31100	Grocery Shop	30	7.4
	Dairy Store	29	7.3

The above table shows the frequency distribution for processed cheese regarding brand, shape preferred, type of packaging material, weight preferred and the shop from which the cheese is purchased by the consumers. Table shows that, Amul is the brand of processed cheese preferred by majority (55.5%) of the consumers and the next preferred brand is Milky Mist which is preferred by 30.7% of the consumers. Coming to the shape of the processed cheese, 76.2% of the consumers prefer the shape of the processed cheese to be in cubes and slices. Carton Boxes and Poly Pouches are the preferred packaging material by majority (66.2%) of the consumers. Majority (46.3%) of the consumers purchase processed cheese weighting 100gms. Around 85.3% of the consumers purchase processed cheese at departmental store and modern retail store.

Table 3: Association between demographic characteristics and components of processed cheese

Variables	Pears Chi-Sq		Strength of Association		
	Value	р	Cramer's V	Strength	
Gender * Brand	3.728	.292	.097	Small	
Gender * Shape	13.745	.008	.185	Moderate	
Gender * Packaging Material	44.590	.000	.334	Moderately Strong	
Gender * Weight	11.206	.011	.167	Moderate	
Gender * Shop	12.048	.007	.174	Moderate	
Family Type * Weight	14.896	.013	.164	Moderate	
Family Type * Shop	10.780	.002	.193	Moderate	

The above table shows that, there is no association between gender of the consumers and the brand of the processed cheese they purchase. There is a significant moderate (V=.185) association between gender of the consumers and the shape of the processed cheese they purchase. There is a significant moderately strong (V=.334) association between gender of the consumers and the packaging material used for the processed cheese they purchase. There is a significant moderate (V=.167) association between gender of the consumers and the weight of the processed cheese they purchase. There is a significant moderate (V=.174) association between gender of the consumers and the shop they prefer for purchasing processed cheese. There is a significant moderate (V=.164) association between family type of the consumers and the weight of the processed cheese they purchase. There is a significant moderate (V=.193) association between family type of the consumers and the shop they prefer for purchasing processed cheese. Cubes is the major shape purchased by both Male and Female consumers. Males prefer more of poly pouches and Female respondents prefer the carton boxes. 100g pack is preferred by both the nuclear and joint family. Both the Nuclear and Joint families prefer to purchase from the departmental stores.

Table 4: Independent Sample t-Test between Gender and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Gender	М	SD	t	р
The nack is attractive	Male	2.25	.675	.460	CAE
The pack is attractive	Female	2.22	.553	.460	.645
Quality of the product is as expected	Male	2.50	.682	2 101	.030
Quality of the product is as expected	Female	2.64	.572	-2.181	.030
The taste of change is as desired	Male	2.59	.692	0.50	220
The taste of cheese is as desired	Female	2.65	.568	960	.338
The product tastes good for langer time	Male	2.28	.557	066	225
The product tastes good for longer time	Female	2.33	.539	966	.335

The above table shows the independent sample t-test results between gender of the consumers and their perception on preferred brand scales of processed cheese. There exists a significant difference in opinion between male and female consumers on their perception on preferred brand scale 'Quality of the product is as expected'. In which, female consumers have higher mean score (M=2.64) than male consumers (M=2.50). For the scales: 'The pack is attractive', 'The taste of cheese is as desired' and 'The product tastes good for longer time', there is no significant difference among male and female consumers.

Table 5: Independent Sample t-Test between Marital Status and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Marital Status	М	SD	t	р
The nack is attractive	Married	2.20	.606	-2.799	.005
The pack is attractive	Un Married	2.47	.620	-2.799	
Quality of the product is as expected	Married	2.56	.646	762	116
Quality of the product is as expected	Un Married	2.64	.486	763	.446
The taste of choose is as desired	Married	2.61	.640	1 171	242
The taste of cheese is as desired	Un Married	2.72	.540	-1.171	.242
The product testes good for langur time	Married	2.28	.548	-2.696	.007
The product tastes good for longer time	Un Married	2.51	.505	-2.090	.007

The above table shows the independent sample t-test results between marital status of the consumers and their perception on preferred brand scales of processed cheese. There exists a significant difference in opinion between married and unmarried consumers on their perception on preferred brand scales: 'The pack is attractive' and 'The product tastes good for longer time'. For the scale 'The pack is attractive' unmarried consumers (M=2.47) had highest score than married consumers (M=2.20). For the scale 'The product tastes good for longer time' unmarried consumers (M=2.51) had highest score than married consumers (M=2.28). For the scales: 'Quality of the product is as expected' and 'The taste of cheese is as desired', there is no significant difference among married and unmarried consumers.

Table 6: Independent Sample t-Test between Family Type and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Bran	d Family Type	М	SD	t	р
The pack is attractive	Joint	2.26	.643	700	.485
The pack is attractive	Nuclear	2.22	.592	.700	.485
Quality of the product is as expected	Joint	2.62	.658	1.218	.224

	Nuclear	2.54	.608		
The taste of cheese is as desired	Joint	2.68	.552	1.501	.134
	Nuclear	2.58	.677	1.501	.134
The product tastes good for longer time	Joint	2.42	.508	2 5 4 0	000
	Nuclear	2.23	.561	3.548	.000

The above table shows the independent sample t-test results between family type of the consumers and their perception on preferred brand scales of processed cheese. There exists a significant difference in opinion between joint family type and nuclear family type consumers on their perception on preferred brand scale 'The product tastes good for longer time'. In which, Joint family type consumers have higher mean score (M=2.42) than nuclear family type consumers (M=2.23). For the scales: 'The pack is attractive', 'Quality of the product is as expected' and 'The taste of cheese is as desired', there is no significant difference among joint family type and nuclear family type consumers.

Table 7: One Way ANOVA between Age and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Age	М	SD	F	p
	<= 25	2.38	.752		
The nack is attractive	26 - 35	2.29	.620	1.394	.244
The pack is attractive	36 - 45	2.17	.630	1.334	.244
	46+	2.22	.515		
	<= 25	2.42	.578		
Quality of the product is as expected	26 - 35	2.46	.719	4.550	.004
	36 - 45	2.59	.592		
	46+	2.76	.505		
	<= 25	2.65	.745		
The taste of chance is as desired	26 - 35	2.55	.642	2 624	050
The taste of cheese is as desired	36 - 45	2.59	.686	2.624	.050
	46+	2.78	.416		
	<= 25	2.38	.496		
The analysis to the second feet less were time.	26 - 35	2.25	.568	2 450	063
The product tastes good for longer time	36 - 45	2.28	.505	2.458	.062
	46+	2.44	.585		

The above table shows the one-way ANOVA results between the age of the consumers and their perception on preferred brand scale of processed cheese. For the demographic of Age, results indicated statistically significant differences between the groups for two of the perception on preferred brand scales: 'Quality of the product is as expected' and 'The taste of cheese is as desired'. For the scale 'Quality of the product is as expected', those aged 46+ (M=2.76) had higher mean score than those aged 36-45 (M=2.59), those aged 26-35 (M=2.46) and those aged <=25 (M=2.42). For the scale 'The taste of cheese is as desired', those aged 46+ (M=2.78) had higher mean score than those aged 36-45 (M=2.59), those aged 26-35 (M=2.55) and those aged <=25 (M=2.65). For the scales: 'The pack is attractive' and 'The product tastes good for longer time', there is no significant differences among the age group of the consumers.

Table 8: One Way ANOVA between Income and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Income	М	SD	F	р
The pack is attractive	<= 25000	2.30	.763		
	25001 - 40000	2.16	.623	2 507	.052
	40001 - 55000	2.36	.562	2.597	.052
	55001+	2.18	.544		
	<= 25000	2.34	.658		
Quality of the product is as expected	25001 - 40000	2.50	.689	5.509	.001
	40001 - 55000	2.70	.524	5.509	.001
	55001+	2.68	.567		

The taste of cheese is as desired	<= 25000	2.32	.844		
	25001 - 40000	2.56	.687	7 747	.000
	40001 - 55000	2.72	.453	7.747	.000
	55001+	2.79	.482		
	<= 25000	2.36	.563		
The product testes good for langer time	25001 - 40000	2.29	.534	220	.876
The product tastes good for longer time	40001 - 55000	2.31	.528	.229	.870
	55001+	2.32	.585		

The above table shows the one-way ANOVA results between the income of the consumers and their perception on preferred brand scale of processed cheese. For the demographic of Income, results indicated statistically significant differences between the groups for two of the perception on preferred brand scales: 'Quality of the product is as expected' and 'The taste of cheese is as desired'. For the scale 'Quality of the product is as expected', those earning between 40001-55000 (M=2.70) had higher mean score than those earning 55001+ (M=2.68), those earning 225001-40000 (M=2.50) and those earning 40001-55000 (M=2.34). For the scale 'The taste of cheese is as desired', those earning 55001+ (M=2.79) had higher mean score than those earning 40001-55000 (M=2.72), those earning 25001-40000 (M=2.56) and those earning <=25000 (M=2.32). For the scales: 'The pack is attractive' and 'The product tastes good for longer time', there is no significant differences among the income group of the consumers.

Table 9: One Way ANOVA between Education Qualification and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Education Qualification	М	SD	F	р
	HSC	2.10	.580		
The pack is attractive	UG	2.22	.618	2.720	.067
	PG	2.34	.603		
Quality of the product is as expected	HSC	2.66	.557		
	UG	2.57	.657	.589	.556
	PG	2.54	.584		
	HSC	2.58	.731		
The taste of cheese is as desired	UG	2.61	.652	.686	.504
	PG	2.69	.489		
	HSC	2.52	.580		
The product tastes good for longer time	UG	2.29	.518	4.399	.013
	PG	2.26	.591		

The above table shows the one-way ANOVA results between the education qualification of the consumers and their perception on preferred brand scales of processed cheese. For the demographic of Educational Qualification, results indicated statistically significant differences between the groups for one of the perceptions on preferred brand scales: 'The taste of cheese is as desired'. For the scale 'The taste of cheese is as desired', those having education qualification of HSC (M=2.52) had higher mean score than those having education qualification of UG (M=2.29) and those having education qualification of PG (M=2.26). For the scales: 'The pack is attractive', 'Quality of the product is as expected' and 'The taste of cheese is as desired', there is no significant differences among the education qualification of the consumers.

Table 10: One Way ANOVA between Brand and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Brand	М	SD	F	p
The analysis addressed in	Amul	2.18	.619		
	Britannia	2.37	.578	1.586	.192
The pack is attractive	Milky Mist	2.28	.594	1.360	.132
	Go	2.25	.754		
Quality of the product is as expected	Amul	2.59	.615	1.048	.371
	Britannia	2.42	.587	1.040	.5/1

	Milky Mist	2.59	.651		
	Go	2.50	.798		
The taste of cheese is as desired	Amul	2.63	.679		
	Britannia	2.58	.587	.093	.964
	Milky Mist	2.63	.562		.504
	Go	2.58	.515		
	Amul	2.25	.546		
The product tastes good for longer time	Britannia	2.42	.499	2.201	.087
	Milky Mist	2.36	.560	2.201	.007
	Go	2.50	.522		

The above table shows the one-way ANOVA results between the brand of the processed cheese purchased and their perception on preferred brand scales of processed cheese. For the brand of processed cheese, results indicated no statistical significant differences between the groups of brand for any of the scales: 'The pack is attractive', 'Quality of the product is as expected', 'The taste of cheese is as desired' and 'The product tastes good for longer time'.

Table 11: One Way ANOVA between Shape and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Shape	М	SD	F	р
	Block	2.36	.557		
	Cubes	2.20	.642		
The pack is attractive	Slices	2.24	.592	2.319	.057
	Shredded	1.83	.577		
	Spreads	2.36	.559		
Quality of the product is as expected	Block	2.84	.420		
	Cubes	2.65	.512		
	Slices	2.48	.723	8.981	.000
	Shredded	2.25	.452		
	Spreads	2.11	.916		
	Block	2.76	.508		
	Cubes	2.59	.636		
The taste of cheese is as desired	Slices	2.80	.403	12.934	.000
	Shredded	2.17	.718		
	Spreads	2.00	.981		
	Block	2.51	.573		
The product tastes good for longer time	Cubes	2.37	.526		
	Slices	2.22	.523	7.080	.000
	Shredded	1.75	.622		
	Spreads	2.18	.476		

The above table shows the one-way ANOVA results between the shape of the processed cheese preferred and their perception on preferred brand scales of processed cheese. For the shape of the processed cheese preferred, results indicated statistically significant differences between the groups for three of the perception on preferred brand scales: 'Quality of the product is as expected', 'The taste of cheese is as desired' and 'The product tastes good for longer time'. For the scale 'Quality of the product is as expected', those who prefer the shape as Block (M=2.84) had higher mean score than those who prefer the shape as Cubes (M=2.65), those who prefer the shape as Slices (M=2.48), those who prefer the shape as Shredded (M=2.25) and those who prefer the shape as Spreads (M=2.11). For the scale 'The taste of cheese is as desired', those who prefer the shape as Slices (M=2.80) had higher mean score than those who prefer the shape as Block (M=2.76), those who prefer the shape as Cubes (M=2.59), those who prefer the shape as Shredded (M=2.17) and those who prefer the shape as Spreads (M=2.00). For the scale 'The product tastes good for longer time', those who prefer the shape as Block (M=2.51) had higher mean score than those who prefer the shape as Cubes (M=2.37), those who prefer the shape as Slices (M=2.18) and those who prefer the shape as Shredded (M=1.75). For the scale 'The pack is attractive', there is no significant differences among the shape of the processed cheese.

Table 12: One Way ANOVA between Packaging Material and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Packaging Material	М	SD	F	p
	Aluminium Foil	2.31	.623		
	Poly Pouches	2.10	.592		
The pack is attractive	Carton Boxes	2.37	.523	8.412	.000
The pack is attractive	Poly Rigid Container	2.02	.661	0.412	.000
	Squeezable Poly Tubes	1.73	.905		
	Tins	2.75	.447		
	Aluminium Foil	2.58	.532		
Quality of the product is as expected	Poly Pouches	2.50	.730		
	Carton Boxes	2.76	.552	7.652	.000
	Poly Rigid Container	2.24	.596	7.032	.000
	Squeezable Poly Tubes	2.09	.302		
	Tins	2.69	.479		
	Aluminium Foil	2.64	.483		
	Poly Pouches	2.60	.698		
The taste of cheese is as desired	Carton Boxes	2.75	.504	14.543	.000
The taste of theese is as desired	Poly Rigid Container	2.41	.643	14.545	.000
	Squeezable Poly Tubes	1.36	.809		
	Tins	3.00	.000		
	Aluminium Foil	2.39	.588		
	Poly Pouches	2.24	.506		
The product tastes good for longer time	Carton Boxes	2.41	.532	3.051	.000
The product tustes good for longer time	Poly Rigid Container	2.16	.624	3.031	.000
	Squeezable Poly Tubes	2.00	.447		
	Tins	2.25	.447		

The above table shows the one-way ANOVA results between the preferred packaging material used for the processed cheese and their perception on preferred brand scales of processed cheese. For the preferred packaging material used for the processed cheese, results indicated statistically significant differences between the groups for all the perception on preferred brand scales: 'The pack is attractive', 'Quality of the product is as expected', 'The taste of cheese is as desired' and 'The product tastes good for longer time'. For the scale 'The pack is attractive', those who prefer the packaging material as Carton Boxes (M=2.37) had higher mean score than others. For the scale 'The taste of cheese is as desired'), those who prefer the packaging material as Carton Boxes (M=2.75) had higher mean score than others. For the scale 'The product tastes good for longer time', those who prefer the packaging material as Carton Boxes (M=2.41) had higher mean score than others.

Table 13: One Way ANOVA between Weight and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Weight	М	SD	F	р
	50 g	1.91	.522		
The pack is attractive	100 g	2.27	.628	5.370	.001
	200 g	2.16	.618	5.570	.001
	500 g	2.37	.557		
	50 g	2.12	.857		
Quality of the product is as expected	100 g	2.59	.584	13.646	.000
Quality of the product is as expected	200 g	2.45	.627	13.040	.000
	500 g	2.86	.472		
The taste of cheese is as desired	50 g	2.42	.867	7.554	.000
	100 g	2.54	.683	7.554	.000

	200 g	2.62	.529		
	500 g	2.89	.383		
	50 g	2.18	.635	1.450	220
The product testes good for langer time	100 g	2.28	.539		
The product tastes good for longer time	200 g	2.38	.548		.220
	500 g	2.34	.524		

The above table shows the one-way ANOVA results between the preferred weight for purchasing processed cheese and their perception on preferred brand scales of processed cheese. For the preferred weight for purchasing processed cheese, results indicated statistically significant differences between the groups for three of the perception on preferred brand scales: 'The pack is attractive', 'Quality of the product is as expected' and 'The product tastes good for longer time'. For the scale 'The pack is attractive', those who prefer weight for purchasing processed cheese as 500 g (M=2.37) had higher mean score than others. For the scale 'Quality of the product is as expected', those who prefer weight for purchasing processed cheese as 500 g (M=2.86) had higher mean score than others. For the scale 'The taste of cheese is as desired', those who prefer weight for purchasing processed cheese as 500 g (M=2.89) had higher mean score than others. For the scale 'The product tastes good for longer time', there is no significant differences among the preferred weight for purchasing processed cheese.

Table 14: One Way ANOVA between Shop and Consumer Perception on Preferred Brand of Processed Cheese

Consumer Perception on Preferred Brand	Shop	М	SD	F	р
	Modern Retail Store	2.38	.597		
The nack is attractive	Departmental Store	2.23	.570	3.294	.021
The pack is attractive	Grocery Shop	2.00	.788	3.294	.021
	Dairy Store	2.14	.743		
Quality of the product is as expected	Modern Retail Store	2.27	.662		
	Departmental Store	2.73	.540	17.783	.000
	Grocery Shop	2.20	.761	17.765	.000
	Dairy Store	2.45	.632		
	Modern Retail Store	2.41	.791		
The taste of cheese is as desired	Departmental Store	2.76	.487	13.020	.000
The taste of theese is as desired	Grocery Shop	2.37	.669	13.020	.000
	Dairy Store	2.28	.797		
	Modern Retail Store	2.28	.548		
	Departmental Store	2.30	.551		
The product tastes good for longer time	Grocery Shop	2.30	.535	1.516	.210
	Dairy Store	2.52	.509		

The above table shows the one-way ANOVA results between the preferred shop for purchasing processed cheese and their perception on preferred brand scales of processed cheese. For the preferred shop for purchasing processed cheese, results indicated statistically significant differences between the groups for three of the perception on preferred brand scales: 'The pack is attractive', 'Quality of the product is as expected' and 'The product tastes good for longer time'. For the scale 'The pack is attractive', those who purchase processed cheese in Modern retail store (M=2.38) had higher mean score than others. For the scale 'Quality of the product is as expected', those who purchase processed cheese in Departmental Store (M=2.73) had higher mean score than others. For the scale 'The taste of cheese is as desired', those who purchase processed cheese in Departmental Store (M=2.76) had higher mean score than others. For the scale 'The product tastes good for longer time', there is no significant differences among the preferred shop for purchasing processed cheese.

Table 15: Correlation Coefficient between Consumer Perception on Preferred Brand Scales of processed cheese among male (n=188) and female (n=212) consumers

Correlations

GENDER	Consumer Perception on Preferred Brand Scales	The pack is attractive	Quality of the product is as expected	The taste of cheese is as desired	The product tastes good for longer time
	The pack is attractive	1	.389**	.461**	060
Male	Quality of the product is as expected	.389**	1	.595**	.303**
iviale	The taste of cheese is as desired	.461**	.595**	1	.107
	The product tastes good for longer time	060	.303**	.107	1
	The pack is attractive	1	.241**	.277**	.243**
Fomalo	Quality of the product is as expected	.241**	1	.643**	.181**
Female	The taste of cheese is as desired	.277**	.643**	1	.229**
	The product tastes good for longer time	.243**	.181**	.229**	1

^{**.} Correlation is significant at the 0.01 level (2-tailed).

The above table represents the correlation among the four consumer perceptions on preferred brand. Pearson correlations was run to investigate the bivariate relationship among the four perceptions on preferred brand. Analysis of the results revealed that, all the bivariate relationships among the scales were significant for female. There exists a strong significant correlation between the scales 'The taste of cheese is as desired' and 'Quality of the product is as expected' (r=.595) for male consumers and (r=.643) for female consumers. For the scales 'The product tastes good for longer time' and 'The Pack is Attractive', female consumers had moderate significant correlation (r=.243) whereas male consumers had no significant correlation. Similarly, for the scales 'The product tastes good for longer time' and 'The taste of cheese is as desired', female consumers had moderate significant correlation (r=.229) whereas male consumers had no significant correlation. For the other scales: 'Quality of the product is as expected', 'The taste of cheese is as desired', 'The Pack is Attractive' and 'Quality of the product is as expected' both male and female consumers had significant correlation.

Findings

- The first objective was to study the demographic characteristics of the consumers. Almost 72% of the consumers are between the age group of 26 45. Data collected from male and female consumers was almost equal with difference of 6%. Income level of 87.5 % of the consumers are above Rs. 25000. Majority of the consumers were married. In which, 82% of them are having children of which 90% of them are having one or two children. Majority of the consumers education qualification was undergraduate (65%). Almost 72% of the consumers both in joint and nuclear family type are between the age group of 26-45.
- The second objective was to find the association between demographic characteristics of the consumers and components of processed cheese. Only gender with brand, shape, packaging material, weight and shop, family type with weight and shop satisfies the condition of all cells should have expected counts greater than or equal to five in crosstabs. Gender and packaging material had moderately strong association than others. In which majority of the males (66%) prefer poly pouches and majority of the females (61%) prefer carton boxes when it comes to packaging material used for processed cheese.
- The third objective was to analyse the difference in opinion towards perception on preferred brand of processed cheese among consumers demographic (age, gender, marital status, monthly income, education qualification, family type) and components of processed cheese (brand, shape, packaging material, weight, shop of purchase). There was a significant difference in consumers opinion on quality, taste of processed cheese among age category, income level, shape of cheese, packaging material, weight of cheese and shop where consumers purchased. There was a significant difference in consumers opinion on attractiveness of processed cheese among marital status, packaging material, weight of cheese, shop where consumers purchased. There was a significant difference in consumers opinion on durability of processed cheese among family type, education qualification, shape of cheese and packaging material.
- The fourth objective was to find the relationship among consumer perception of processed cheese: attractiveness, quality, taste, durability on preferred brand. There was a strong significant positive relationship between quality and taste of the processed cheese for both male and female consumers. For attractiveness and taste, female consumers had moderate significant positive correlation whereas male consumers had no significant correlation. Similarly, for durability and taste, female consumers had moderate significant positive correlation whereas male consumers had no significant correlation.

Suggestions

- Departmental stores and Modern Retail stores are the purchase points of both male and female consumers and the retailing of processed cheese to be maximised in these outlets.
- The retention of quality and taste in the brand of processed cheese is preferred by both male and female consumers. Also, both nuclear and joint families prefer the product to be good in the type of packaging chosen. Hence the packaging to be done such that the quality of the processed cheese is retained for longer time.
- The packaging of blocks and slices could be such that it is attractive, and the packaging should retain the quality and taste. These types of processed cheese to be in poly packs targeted towards male consumers and in carton boxes targeted towards the female consumers.

Conclusion

Consumer perception is a marketing concept that incorporates a consumer's impression, awareness and/or consciousness about the product offered. Due to the influence of several brands for a single product, marketers are trying to implement new strategies to sell their product in a competitive environment. This study took processed cheese as the product with aspects like brand, shape, weight, packaging material and shop where consumer purchase are considered. It is found that, packaging of processed cheese influences the consumer in their choice of preferred brand. In the aspect of shape, cubes are the majorly preferred by both male and female consumers. In the aspect of packaging material used for processed cheese, male consumers prefer poly pouches whereas female consumers prefer carton boxes. In the aspect of weight, majority of the consumer prefer to buy 100gms pack, those consumers buying 500gms pack prefer attractiveness and taste. Most of the male and female consumers buy processed cheese at departmental stores and modern retail stores. Consumers buying in modern retail store looks for attractiveness whereas consumers buying in departmental stores looks for quality and taste. Married consumers prefer taste whereas unmarried consumers prefer quality. Consumers in both joint and nuclear family prefer taste. Consumers earning between 40001-55000 prefer quality. This study reveals the consumers preference related to the attributes like attractiveness, quality, taste and durability on preferred brand of processed cheese in Coimbatore. The study suggested that a marketer should analyse different factors that influence the consumers perception on selecting their preferred brand of products.

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