

The Relationship Between Knowledge and Economy With Client Interest In Performing Root Canal Treatment At One Icon Dental Clinic Gresik

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ABSTRAK

Kesehatan gigi dan mulut akan terganggu jika kebersihan tidak dijaga dan akan menyebabkan karies gigi. Jika karies dibiarkan, bakteri akan menyebar hingga menyentuh syaraf. Penatalaksanaannya yakni dengan melakukan perawatan saluran akar. Menganalisis hubungan antara pengetahuan klien dan status ekonomi klien dengan minat klien untuk melakukan perawatan saluran akar di One Icon Dental Clinic Gresik. Jenis penelitian ini yakni survei analitik dengan menggunakan metode penelitian survei dengan desain penelitian cross sectional. Data yang diambil yakni tingkat pengetahuan klien dan status ekonomi klien serta minat klien terhadap perawatan saluran akar di O IDC Gresik pada November 2024. Sampel pada penelitian ini yakni berjumlah 108 responden serta menggunakan teknik pengumpulan data non-probability sampling dengan cara purposive sampling dengan teknik analisa data menggunakan Spearman Rank. Sebagian besar klien (58,3%) memiliki tingkat pengetahuan sedang. Sebagian besar klien (74,1%) berpendapatan tinggi. Hampir dari setengah klien (47%) masuk dalam kategori minat. Hubungan tingkat pengetahuan dengan minat klien yakni memiliki hubungan yang signifikan dengan $p\ 0,000 (\leq 0,05)$ serta memiliki hubungan sedang dan arah korelasinya positif (searah). Hubungan status ekonomi dengan minat klien yakni memiliki hubungan yang signifikan dengan $p\ 0,000 (\leq 0,05)$ serta memiliki hubungan yang sangat kuat dan arah korelasinya positif (searah). Terdapat hubungan antara tingkat pengetahuan dan status ekonomi klien dengan minat klien untuk dilakukan perawatan saluran akar di One Icon Dental Clinic Gresik.

Kata Kunci: Tingkat Pengetahuan, Status Ekonomi, Tingkat Minat, Perawatan Saluran Akar

ABSTRACT

Dental and oral health will be disturbed if hygiene is not maintained and will cause dental caries. If caries is left untreated, the bacteria will spread to the point of touching the nerves. The management is by performing root canal treatment. To Analyze the relationship between the client's knowledge and the client's economic status with the client's interest in performing root canal treatment at One Icon Dental Clinic Gresik. This type of research is an analytical survey using a survey research method with a cross sectional research design. The data collected are the level of client knowledge and the client's economic status as well as the client's interest in root canal treatment at O IDC Gresik in November 2024. The sample in this study is 108 respondents and uses a non-probability sampling data collection technique by means of purposive sampling with a data analysis technique using Spearman Rank. Most clients (58.3%) have a moderate level of knowledge. Most of the clients (74.1%) are high-income. Almost half of clients (47%) fall into the interest category. The relationship between the level of knowledge and the client's interest is that it has a significant relationship with $p\ 0.000 (\leq 0.05)$ and has a moderate relationship and the direction of the correlation is positive (unidirectional). The relationship between economic status and client interest is that it has a significant relationship with $p\ 0.000 (\leq 0.05)$ and has a very strong relationship and the correlation direction is positive (unidirectional). There is a relationship between the level of knowledge and economic status of the client and the client's interest in root canal treatment at One Icon Dental Clinic Gresik.

Keywords: Knowledge Level, Economic Status, Interest Level, Root Canal Care

INTRODUCTION

Oral health is a condition where the hard tissue and soft tissue of the teeth and related elements in the oral cavity are in a healthy condition. In the condition of healthy teeth and mouth will allow individuals to eat, speak and interact socially. Of course, when oral health is disturbed, dysfunction, aesthetic disturbances, discomfort, occlusion deviations and tooth loss will occur so that daily activities will be disrupted (Kemenkes RI, 2022).

Table 1. Global prevalence of dental caries according to Global Health Metrics in 2021

No.	Number (global cases)	Description
1.	>1.25 billion	Primary Teeth
2.	>2,37 billion	Permanent Teeth

Based on the table above, it shows that most cases of dental caries globally occur in permanent teeth (>2.37 billion).

Table 2. Prevalence of Dental and Oral Problems in Indonesia According to RISKESDAS 2019

No.	Number (%)	Description
1.	57,6%	Oral health problems
2.	19.6% from 57.6%	Periodontal disease
3.	45% from 57,6%	Dental caries

Based on the table above, it shows that most dental and oral problems in Indonesia occur due to dental caries (45% of 57.6%).

Table 3. Prevalence of One Icon Dental Clinic Clients Related to Caries and Root Canal Treatment in March 2024

No.	Number (clients)	Description
1.	50 of 361	Dental caries
2.	20	Cases requiring root canal treatment
3.	6	Clients who underwent root canal treatment

Based on the table above, it shows that of the 50 clients of One Icon Dental Clinic Gresik in March 2024 who experienced dental caries, most clients needed root canal treatment (20 clients). The condition of dental caries that is not too deep and has not felt throbbing pain or clients complain of throbbing pain but only when they get stimuli such as eating, drinking cold, hot, sour, or sweet can be said to be reversible pulpitis. For treatment, only a filling is done. However, if the dental caries is deep enough accompanied by throbbing pain even though you are not eating or exposed to other stimuli for a long time, it means that the dental nerve has been infected or commonly referred to as irreversible pulpitis. If left unchecked, this will lead to the death of the dental nerve (pulp necrosis) (Riyanto, 2025).

Root Canal Treatment (PSA) is a dental treatment procedure performed by taking all necrotizing pulp tissue, and forming a root canal to prevent recurrent infection. PSA can be said to be successful if there is no pain or swelling in the tooth being treated, there are no clinical symptoms, the tooth can function physiologically, and the panoramic picture in the apical region of the tooth looks normal. This treatment is said to fail if the cleaning and formation of the root canal is not perfect and the obturation is not hermetic, causing a lack of ability to remove existing microorganisms. If not treated immediately, the infected pulp will cause severe pain and can stimulate abscess formation, and eventually tooth loss (Ningsih & Pradana, 2023).

Despite its proven effectiveness, PSA is still widely misunderstood. Many think that it is very painful. In fact, technology related techniques and the anesthesia given to the client have made root canals painless. According to Farooq (2023), clients often report feeling more comfortable during the procedure than before.

According to research conducted by Chofifah & Hadi, (2021) regarding the description of client knowledge about root canal treatment conducted at the drg clinic. Hernany Wonosari Kidul Surabaya shows that the level of client knowledge in the category of less as much as 54%. This shows that there are still many clients who do not understand root canal treatment.

In terms of economic status, according to Putri & Cahyorini, (2023) in her research said that as the income of the head of the household increases, the chances of family members with poor health status will decrease. This certainly has a significant impact on health problems that occur. For this reason, economic status also needs to be analyzed as a cause of clients not coming to health services.

Interest itself according to The Liang Ge (2014) in Achru, (2019) is busy, interested, or involved with an activity because it realizes the importance of that activity. In this case, the client should have an interest in doing root canal treatment because they feel that the treatment is very important for the client's dental health.

There has been no research related to root canal treatment conducted at One Icon Dental Clinic Gresik. For this reason, the researcher is interested in conducting further research regarding client knowledge about root canal treatment and client interest in performing root

canal treatment with the research title 'Relationship between Knowledge and Economics with Client Interest in Performing Root Canal Treatment at One Icon Dental Clinic Gresik.

LITERATURE REVIEW

Basic Concepts of Dental and Oral Health

Oral health is a condition of the mouth, teeth and orofacial structures that allows humans to perform important functions such as eating, drinking, breathing, speaking. Oral disease covers a range of diseases and conditions that include dental caries, periodontal (gum) disease, tooth loss, oral cancer, oro-dental trauma, Noma and birth defects such as cleft lip and palate. Oral diseases are among the most common non-communicable diseases worldwide, affecting an estimated 3.5 billion people. Although the global burden of oral health conditions is increasing, especially in low- and middle-income countries, the overall burden of oral health conditions on health services is likely to continue to increase with population growth and aging (Fahrion, 2023). Communities with lower socioeconomic status have a higher burden of oral disease and this relationship persists throughout life, from early childhood to old age, and regardless of the country's overall income level (WHO, 2023).

a. Dental Caries

Tooth decay causes damage to the enamel, which is the hard outer surface of the tooth. As tooth decay continues, it can invade the deeper layers of the tooth, leading to cavities. Treatments include fluoride, fillings, crowns, and others (Smith, 2023). Dental caries is a common chronic infectious disease. It is caused by cariogenic bacteria attached to the teeth (*Streptococcus mutans*), these bacteria convert sugar to produce acid, over time, the tooth structure is demineralized (Rathee & Sapra, 2023).

b. Root Canal Maintenance

Root canal treatment is a procedure to remove the inflamed or infected pulp on the inside of the tooth which is then thoroughly cleaned and disinfected, filled with a filling material and then sealed by a plug. Root canal treatment is designed to remove bacteria from infected root canals, prevent recurrent infections in the tooth and save natural teeth. According to Chandra S. (2010) in Umeds, (2024) Root canal treatment is required when the pulp, the soft tissue inside the root canal, has inflammation or infection.

Basic Concept of Knowledge Level

According to Aggestam & Svensson, (2025), there is an old quote that "Knowledge is power", although it is fairly old, it can still be said to be related to today. Times can change very quickly, so all individuals are required to have the ability to meet the expectations of their surroundings. A very valuable and important asset is knowledge. From having knowledge, an individual is able to know how to manage their resources, one example of which is the condition or health problems of the individual himself. According to Rahman (2017) in (Widiyawati & Qamariah, 2021), the basis for an individual to determine decisions and actions when facing the problems being faced is knowledge. This also applies to health problems. Knowledge about problems that occur in terms of health can be obtained from anywhere, it can be through formal education, counseling, or the internet.

Basic Concepts of Economic Status

According to Prędkiewicz, Bem, Siedlecki, Kowalska, & Robakowska, (2022) economic status can affect the health condition of an individual, one of the things that has the greatest impact is the economic status of the individual. The article also explains that the level of economic activity of the population can significantly affect the health of the population, the number of people who do not have jobs or unemployment is proven to be an influence on health even though it is relatively short-term. Economic Status according to Rathee & Sapra, (2023), namely the position of an individual and family based on economic elements. Dental caries is a major health problem because it is the most common disease worldwide. Nearly 100% of adults suffer from dental caries. This disease is concentrated in groups with low socioeconomic status.

Basic Concept of Interest

According to the Big Indonesian Dictionary (KBBI), interest is a high inclination towards something, passion, or desire. Interest is a tendency to pay attention and act towards people, activities or situations that are the object of that interest accompanied by feelings of pleasure. In that interest, there are main things including a feeling of pleasure in oneself that gives attention to a particular object, an interest in a particular object, an activity on a particular

object, a tendency to try to be more active, the object or activity is seen as functional in life and the tendency is to direct and influence individual behavior (Rahmadani, 2021).

METHODS

This research design is Cross Sectional with the type of research is analytic survey. Researchers will try to explore the causes of health phenomena that can occur. Researchers also use a survey research design which is by asking questions to several respondents about the client's knowledge and interest in root canal treatment. This research was conducted at the One Icon Dental Clinic Gresik Clinic which is located at Green Garden Shophouse Blok A4 no. 5, Kebomas Sub-district, Gresik Regency. The sample used in this study was 108 samples. In this study, researchers used the retrieval technique used, namely non-probability sampling by purposive sampling. Researchers use primary data, namely data obtained or collected by researchers directly using the technique of distributing questionnaires to clients who need root canal treatment.

RESULTS AND DISCUSSION

Overview of the Research Site

One Icon Dental Clinic is located at Ruko Green Garden Blok A4 no.5, Kebomas District, Gresik Regency. Researchers used 2 action rooms for research and in the registration or payment area. Doctors perform anamnesis and actions in action rooms 1 and 2. Doctors together with nurses provide education about root canal treatment to clients who need root canal treatment. In the registration or payment area, maintenance and admin help to remind clients to make repeat visits and help make reservations for the next appointment.

General Data

a. Characteristics Based on Age and Gender

Table 4. Client Characteristics Based on Age and Gender at One Icon Dental Clinic Gresik Year 2024

		Total	Percentage
Age (Years)	19-44	22	20,4%
	45-59	62	57,4%
	60-74	23	21,3%
	>75	1	0,9%
Gender	L	57	52,8%
	P	51	47,2%

Table 4 shows that most clients are aged

45-59 years with a percentage of 62 (57.4%). The table also shows that most clients with 57 clients (52.8%) are male.

b. Characteristics Based on Occupation

Table 5. Client Characteristics Based on Occupation at One Icon Dental Clinic Gresik in 2024

No.	Jobs	Total	Percentage
1.	Private	56	51,9%
2.	Self-Employed	8	7,4%
3.	PNS	10	9,3%
4.	BUMN	11	10,2%
5.	Housewife	16	14,8%
6.	Teacher	7	6,5
N		108	100%

Table 5 shows that most clients work as private employees with a percentage of 51.9% (56 clients) and a small percentage of clients who work as teachers with a percentage of 6.5% (7 clients).

c. Characteristics Based on Number of Visits

Table 6. Client Characteristics Based on Number of Visits at One Icon Dental Clinic Gresik in 2024

No.	Number of Visits	Total	Percentage
1.	2nd	45	41,7%
2.	3rd	63	58,3%
N		108	100%

Table 6 shows that most clients with a percentage of 58.3% (63 clients) were on their 3rd visit. The rest, namely almost half of the clients with the number of 2nd visits have a percentage of 41.7% (45 clients).

Special Data

a. Knowledge Level of Clients Performing Root Canal Treatment at One Icon Dental Clinic Gresik

Table 7. Client Knowledge Level regarding Root Canal Treatment at One Icon Dental Clinic Gresik Year 2024

No.	Knowledge Level	Total	Percentage
1.	Low	6	5%
2.	Medium	87	81%
3.	High	15	14%
N		108	100%

Table 7 shows that the level of knowledge of clients regarding root canal treatment is almost entirely with a percentage of 81% (87 clients) having a moderate level of knowledge. A small percentage of clients with a percentage of 5% (6 clients) have a low level of knowledge.

b. Economic Status of Clients Who Perform Root Canal Treatment at One Icon Dental Clinic Gresik

Table 8. Economic Status of Clients Performed Root Canal Treatment at One Icon Dental Clinic Gresik Year 2024

No.	Economic Status	Total	Percentage
1.	Low Income	28	25,9%
2.	High income	80	74,1%
N		108	100%

Based on table 8 shows that the economic status of clients who performed root canal treatment was mostly with a percentage of 74.1% (80 clients), namely high income. As well as a small percentage of clients with a percentage of 25.9% (28 clients), namely clients with low income.

c. Interest Level of Clients who Perform Root Canal Treatment at One Icon Dental Clinic Gresik

Table 9. Client Interest in Root Canal Treatment at One Icon Dental Clinic Gresik in 2024

No.	Interest Level	Total	Percentage
1.	Lack of Interest	17	16%
2.	Interest	51	47%
3.	Very Interested	40	37%
N		108	100%

Based on table 9 shows that interest in root canal treatment is almost half with a percentage of 47% (51 clients), which is included in the interest category. As well as a small percentage of clients with a percentage of 16% (17 clients), namely clients who fall into the category of less interest.

Relationship between Knowledge and Client Interest in Performing Root Canal Treatment at One Icon Dental Clinic Gresik

Table 10. Relationship between Knowledge and Client Interest in Performing Root Canal Treatment at One Icon Dental Clinic Gresik Year 2024

		Client Interest Level			Total
		Lack of Interest	Interest	Very Interested	
Client Knowledge Level	Low Knowledge Level	Count % within Client Knowledge Level	16.7% 4	66.7% 42	100.0% 6
	Medium Knowledge Level	Count % within Client Knowledge Level	18.4% 16	48.3% 42	100.0% 87
	High Knowledge Level	Count % within Client Knowledge Level	0.0% 0	33.3% 5	100.0% 10
Total		Count % within Client Knowledge Level	17 15.7%	51 47.2%	40 37.0%

Based on the results of data analysis using the Spearman Rank test, it can be concluded that the level of client knowledge with client interest in root canal treatment has a significant relationship with a p value of 0.000 (≤ 0.05). The strength of the correlation is 0.486 which means it has a moderate relationship and the direction of the correlation is positive (unidirectional) which means that the higher the level of client knowledge, the higher the client's interest in root canal treatment.

Relationship between Client Economic Status and Client Interest in Root Canal Treatment at One Icon Dental Clinic Gresik

Table 11. Relationship between Economic Status and Client Interest in Performing Root Canal Treatment at One Icon Dental Clinic Gresik in 2024

Client's Economic Status * Client Interest Level Crosstabulation						
			Client Interest Level			Total
			Lack of Interest	Interest	Very Interested	
Client's Economic Status	Low Income	Count	7	21	0	28
		% within Client's Economic Status	25.0%	75.0%	0.0%	100.0%
	High Income	Count	10	30	40	80
		% within Client's Economic Status	12.5%	37.5%	50.0%	100.0%
	Total	Count	17	51	40	108
		% within Client's Economic Status	15.7%	47.2%	37.0%	100.0%

Based on the results of data analysis using the Spearman Rank test, it can be concluded that the client's economic status with the client's interest in root canal treatment has a significant relationship with a p value of 0.000 (≤ 0.05). The strength of the correlation is 0.842 which means it has a very strong relationship and the direction of the correlation is positive (unidirectional) which means that the higher the client's economic status, the higher the client's interest in root canal treatment.

Client Knowledge Level regarding Root Canal Treatment at One Icon Dental Clinic Gresik

Based on the research that has been done, the results obtained regarding the client's level of

knowledge regarding root canal treatment, namely almost all clients (81%) are in the medium category. A small proportion of clients (14%) are in the high category and the rest (5%) are in the low category. 77 clients out of 108 clients already knew that diseased teeth could be resolved by performing root canal treatment with repeated visits. A small number of clients thought that root canal treatment would not solve the problem.

According to Aggestam & Svensson, (2025), there is an old quote "Knowledge is power", although it is fairly old, it can still be said to be related to today. Times can change very quickly, so all individuals are required to have the ability to meet the expectations of their surroundings. A very valuable and important asset is knowledge. From having knowledge, an individual is able to know how to manage their resources, one example of which is the condition or health problems of the individual himself. According to research conducted by Primawati & Anugrahati, (2021) in the Indonesian Journal of Health and Medical in 2021, it was found that the level of knowledge of clients of the cibereum puskesmas dental treatment center was mostly in the good category, namely 53%. According to this study, the majority of clients already know why they have to maintain oral health. This is certainly in line with the research that has been conducted that most clients have a good level of knowledge and only a few clients have a low level of knowledge.

In the opinion of the researcher, one way to increase client knowledge is by providing information about dental health problems, especially about root canal treatment. A small number of clients still think that root canal treatment will not solve the problem. In this modern era, social media can be used as a reliable source to obtain information or increase knowledge. The existence of educational content about root canal treatment will affect the level of individual knowledge. The content will be made interestingly following the current trend. The content can be filled with the dangers if cavities are not treated immediately, the risk of tooth loss will increase if root canal treatment is not performed, etc.

Economic Status of Clients Performing Root Canal Treatment at One Icon Dental Clinic Gresik

Based on the results of research that has been conducted on the economic status of clients

who perform root canal treatment at One Icon Dental Clinic Gresik, the results show that most clients (74.1%) have an economic status that is high income with the calculation of the UMK Gresik salary which is > IDR 4,642,031. the rest are clients who have low income or < IDR 4,642,031. More than half of the clients are private employees and the least are teachers.

According to Prędkiewicz et al., (2022) economic status can affect the health condition of an individual, one of the things that has the greatest impact is the economic status of the individual. In addition, according to a case study conducted in the Journal of Health Sciences (2023) regarding the effect of community economic status on the quality of health services, the results obtained are that most clients are clients who use BPJS. BPJS itself is included in the insurance system so that clients do not pay anymore for examinations or actions for complaints related to teeth and mouth. This is inversely proportional or not in line with the research that has been done. This can happen because almost all clients are high-income clients with salaries above UMK Gresik and One Icon Dental Clinic also does not provide insurance services such as BPJS.

In the researcher's opinion, most clients who work as private employees will tend to reimburse the company where they work. This system applies by the client first paying the total of the actions that have been carried out then submitting a reimburse form which will allow the company to reimburse the employee's personal funds. This is more or less the same as the BPJS system because in the end the action is carried out without using the client's personal funds, but the difference is that the reimburse requires the client's personal funds first for payment of the action then afterwards it will be replaced by the company.

Client Interest Level for Root Canal Treatment at One Icon Dental Clinic Gresik

Based on the results of research that has been conducted regarding the level of client interest in root canal treatment at One Icon Dental Clinic Gresik, the results show that almost half of the clients (47%) are in the interest category and as many as 37% are in the very interested category. A small proportion of clients (16%) fall into the less interested category. A total of 76 clients out of 108 clients stated that it did not matter if they had to come 2-3x for root canal treatment. A small number of clients are still not

compliant to take the medicine that has been given if the pain has disappeared.

According to Journal of Pharmaceutical and Health Research (2023), it is stated that most of the clients' interest in root canal treatment at Faith Balikpapan Hospital Dental Clinic is in the highly interested category. And in the study mentioned that the majority of clients who have high interest are female. In the case study conducted in Amanah Akademika Scientific Journal (2023), it is stated that the majority of clients also have high interest in root canal treatment at RSUD Banggai Regency and most of those who have high interest are female (Aulyah, 2023). Research that has been conducted at One Icon Dental Clinic is inversely proportional to the two case studies. Although the category of client interest in root canal treatment is mostly in the interest and very interested categories, most of the clients who fall into these categories are male. This proves that not only women have a high interest in maintaining their oral hygiene and health.

According to the researcher, the factor that causes the client's lack of interest is because the client does not know or lack of education regarding the risks that can occur. Some of the clients were still ignorant regarding medication compliance during the root canal treatment process. They feel that they don't need to take the medicine anymore if it doesn't hurt. When it is not painful, they will not return to the clinic and will cause recurrent pain. Those who neglect medication compliance will return a few months later and complain about the same thing. A small percentage of clients are also okay with losing a tooth rather than having a root canal.

Relationship between Knowledge Level and Economic Status with Client Interest in Root Canal Treatment at One Icon Dental Clinic Gresik

Based on the results of research conducted on the relationship between the level of client knowledge and client interest in root canal treatment at One Icon Dental Clinic Gresik, it can be concluded that it has a significant relationship (≤ 0.05). The strength of the correlation is in the medium category (0.486) and the direction of the correlation is positive. This can be interpreted that the higher the level of client knowledge, the higher the client's interest in root canal treatment.

According to the research conducted by Rahmadani, (2021) which shows that there is a proven relationship between client's level of

knowledge and client's interest to have root canal treatment at RSUD Rajawali Citra, there is a significant relationship. Another case study conducted by Yulistina, Yasin, Arsad, Dirman, & Rahmah, (2023) mentioned that there is a relationship between client's level of knowledge and client's interest to have root canal treatment in Dental Clinic of Beriman Regional Hospital Balikpapan. This is certainly in line with the research that has been done, namely that there is a significant relationship between client knowledge and client interest in root canal treatment at One Icon Dental Clinic Gresik. These results are supported by the cross table with the results of most clients having a moderate level of knowledge as many as 29 clients (33.3%) included in the very interested category and as many as 42 clients (48.3%) included in the interested category. From these results it is evident that the higher the client's knowledge, the higher the client's interest in root canal treatment.

In the researcher's opinion, one of the factors causing high client interest is knowledge about the cause and effect of root canal treatment. When clients already know the consequences of not having root canal treatment, they will have an interest in visiting the clinic to solve their health problems. Information related to the cause and effect of a disease can be obtained on the internet. The researcher thought that disseminating health-related information could be through social media, which is most widely used by clients. Content that contains health education and is wrapped in an interesting idea will be able to reach clients who do not know about the education. This can certainly be used as a way to increase client knowledge about root canal treatment so that clients have an interest in overcoming their dental problems.

Based on the results of research conducted on the relationship between client economic status and client interest in root canal treatment at One Icon Dental Clinic Gresik, it can be concluded that there is a significant relationship (≤ 0.05). The strength of the correlation is in the very strong category and the direction of the correlation is positive. This means that the higher the client's economic status, the higher the client's interest in root canal treatment.

According to Nugraha, Suparman, Mamlukah, & Susianto, (2022), one of the things that can affect client interest in making repeat visits is economic status. If someone has a low income, the urge to do or utilize health services is lower and the risk of tooth loss will be higher. In

other words, high economic status can reduce the risk of tooth loss and a person can utilize services better. This shows that the results of this study are in line with this statement, namely that there is a significant relationship between the client's economic status and the client's interest in root canal treatment at One Icon Dental Clinic Gresik. These results are supported by the cross table, namely as many as 30 clients are high-income clients who fall into the interest category. As well as all clients who fall into the very interested category with a total of 40 clients are clients who have high incomes. From these results it is evident that the higher the client's income, the higher the client's interest in fixing dental problems, one of which is root canal treatment.

According to the researcher, another factor leading to increased client interest in root canal treatment is economics. Clients with higher incomes tend to have greater opportunities to obtain information such as more sophisticated cellphones, as well as various benefits obtained from their place of work regarding grants to their employees compared to clients who have low incomes. Nowadays, all information can be obtained through the internet. As well as education related to root canal treatment and other dental care education. When someone has a low, they tend to have little opportunity to obtain this education via the internet. This affects the client's interest in caring for their teeth and mouth. Similarly, the higher the client's position, the higher the value that can be used for reimbursement. Of course, the client's interest will increase considering that their money will soon be reimbursed by the place where they work.

CONCLUSION

Based on research conducted on the relationship between knowledge level and economic status with client interest in root canal treatment at One Icon Dental Clinic Gresik in 2024, it can be concluded as follows:

1. Based on the research that has been done, the results regarding the level of client knowledge regarding root canal treatment are almost all clients (81%) in the medium category. A small number of clients (14%) are in the high category and the rest (5%) are in the low category. 77 clients out of 108 clients already knew that diseased teeth could be resolved by performing root canal treatment with repeated visits. A small number of clients thought that root canal treatment would not solve the problem.
2. Based on the results of research that has been conducted on the economic status of clients who perform root canal treatment at One Icon Dental Clinic Gresik, the results show that most clients (74.1%) have an economic status that is high income with the calculation of the UMK Gresik salary which is > IDR 4,642,031. the rest are clients who have low income or < IDR 4,642,031. More than half of the clients are private employees and the least are teachers.
3. Based on the results of research that has been conducted regarding the level of client interest in root canal treatment at One Icon Dental Clinic Gresik, the results show that almost half of the clients (47%) are in the interest category and as many as 37% are in the very interested category. A small proportion of clients (16%) fall into the less interested category. A total of 76 clients out of 108 clients stated that it did not matter if they had to come 2-3x for root canal treatment. A small number of clients are still not compliant to take the medicine that has been given if the pain has disappeared.
4. Based on the results of research conducted on the relationship between the level of client knowledge and client interest in root canal treatment at One Icon Dental Clinic Gresik, it can be concluded that it has a significant relationship (≤ 0.05). The strength of the correlation is in the medium category (0.486) and the direction of the correlation is positive. This can be interpreted that the higher the level of client knowledge, the higher the client's interest in root canal treatment.

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