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Students' satisfaction towards cafeteria foods: evidence from Malaysian public universities (2024) *International Journal of Technology Enhanced Learning*, 16 (2), pp. 192-210.

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Abstract

This study intended to identify the factors that affect student satisfaction in campus cafeterias at public universities in Klang Valley region of Malaysia. The importance of culinary services as an element of nutrition influences the personal satisfaction of university students. Students' daily diets depend heavily on the canteens and cafeterias. A well-balanced and nutritious diet is essential for industrious students, especially those with a demanding learning environment or class schedule. SPSS and Smart PLS were used to analyse data from a sample of 222 students. Food quality, variety, price, and cafeteria hygiene significantly influence student satisfaction in campus cafeterias. The study's findings can assist university administrators in making sound choices regarding cafeteria management, thereby enhancing the culinary experiences of students and boosting their overall satisfaction. The results indicated that the quality of food served in the cafeteria has the most significant impact on student satisfaction through its presentation and taste. © 2024 Inderscience Enterprises Ltd.

Author Keywords

cafeterias; Malaysia; public universities; students' satisfaction

References

- Abdullah, D., Rozario, F.
 Influence of service and product quality towards customer satisfaction: a case study at the staff cafeteria in the hotel industry
 (2009) Proceedings of World, 3 (5), pp. 1-6.
- Akbara, A.Z., Chua, B.L., Han, H., Raposo, A.
 Investigating international students' perception of foodservice attributes in Malaysian research universities
 (2021) Sustainability, 13 (15), pp. 1-20.
 Switzerland
- Akter, M., Sadekin, M.N., Patwary, A.K.
 An empirical study on students' satisfaction from Mawlana Bhashani Science & Technology University, Bangladesh
 (2020) Review of Economics and Development Studies, 6 (2), pp. 463-479.
- Aldridge, S., Rowley, J.
 Measuring customer satisfaction in higher education (1998) Quality Assurance in Education, 6 (4), pp. 197-204.
- Al-Nakeeb, Y., Lyons, M., Dodd, L.J., Al-Nuaim, A.
 An investigation into the lifestyle, health habits and risk factors of young adults (2015) International Journal of Environmental Research and Public Health, 12 (4), pp. 4380-4394.
- Andaleeb, S.S., Caskey, A.
 Satisfaction with food services: insights from a college cafeteria (2008) Journal of Foodservice Business Research, 10 (2), pp. 51-65.
- Ariska, V., Qomariah, N., Wijayanti, B.
 The impact of service quality, price, products, and trust on 'kober mie setan'

consumer satisfaction

(2020) International Journal of Scientific and Technology Research, 9 (4), pp. 1782-1785.

- Aziz, N., Zain, Z., Syarifi, N.A.M., Klivon, J., Ap, N.C., Zaki, M.
 Heterogenous customer satisfaction index for evaluating university food service (2017) AIP Conference Proceedings, p. 1905.
- Baker, J., Grewal, D., Parasuraman, A.
 The influence of store environment on quality inferences and store image (1994) *Journal of the Academy of Marketing Science*, 22 (4), pp. 328-339.
- Basera, C.H., Mutsikiwa, M., Dhliwayo, K.
 A comparative study on the impact of ambient factors on patronage: a case of three fast foods retail brands in Masvingo, Zimbabwe
 (2013) Researchers World, 4, pp. 24-32.
- Benitez-Amado, J., Henseler, J., Castillo, A.
 Development and update of guidelines to perform and report partial least squares path modeling in information systems research
 (2017) PACIS 2017 Proceedings, 86.
- Bourne, P.A.
 - The perception of university students and workers on foodservice offered by the university's cafeteria

(2021) Journal of Advanced Research in English & Education, 5 (1), pp. 39-52.

- Chang, M.L.D., Suki, N.M., Nalini, A.
 A structural approach on students' satisfaction level with university cafeteria (2014) Asian Social Science, 10 (18), pp. 202-209.
- Chin, W.W.
 - **Bootstrap cross-validation indices for PLS path model assessment** (2010) *Handbook of Partial Least Squares: Concepts, Methods and Applications*, pp. 83-97.

Esposito Vinzi, Chin, W.W., Henseler, J. and Wang, H. (Eds): Springer, Heidelberg, Dordrecht, London and New York, NY

- Cohen, J.
 (1988) Statistical Power Analysis for the Behavioral Sciences, Lawrence Erlbaum, Hillsdale, NJ
- Czarniecka-Skubina, E., Górska-Warsewicz, H., Laskowski, W., Jeznach, M.
 Consumer choices and service quality in the university canteens in Warsaw, Poland (2019) International Journal of Environmental Research and Public Health, 16 (19), pp. 1-19.
- DiPietro, R.B., Roseman, M., Ashley, R.
 A study of consumers' response to quick service restaurants' healthy menu items: attitudes versus behaviors
 (2006) Journal of Foodservice Business Research, 7 (4), pp. 59-77.
- DK, R., AA, A.
 Customer satisfaction level toward public hospital's healthy cafeteria in Sabah (2020) ESTEEM Journal of Social Sciences and Humanities, 4 (28802), pp. 66-74. and RH, L
- Douglas, J., Douglas, A.
 (2006) Evaluating Teaching Quality, 12 (1), pp. 3-13.
- Duque, L.C.
 A framework for analysing higher education performance: students' satisfaction,

perceived learning outcomes, and dropout intentions (2013) *Total Quality Management and Business Excellence*, 25 (1–2), pp. 1-21. Nos

- El-Kassas, G., Ziade, F.
 Exploration of the dietary and lifestyle behaviors and weight status and their selfperceptions among health sciences university students in North Lebanon
- Elliott, K.M., Healy, M.A. **Key factors influencing student satisfaction related to recruitment and retention**(2001) *Journal of Marketing for Higher Education*,
- Elliott, K.M., Shin, D. Student satisfaction: an alternative approach to assessing this important concept (2002) *Journal of Higher Education Policy and Management*,
- El-Said, O.A., Fathy, E.A.
 Assessing university students' satisfaction with on-campus cafeteria services (2015) Tourism Management Perspectives,
- Evans, J.R., Lindsay, W.M.
 (2016) Managing for Quality and Performance Excellence,
 10th ed., Cengage Learning, USA, ISBN: 978-1-305-66254-4

(2016) BioMed Research International,

- Flegal, K.M., Carroll, M.D., Ogden, C.L., Curtin, L.R.
 Prevalence and trends in obesity among US adults, 1999-2008 (2010) JAMA – Journal of the American Medical Association,
- Fornell, C., Larcker, D.F.
 Evaluating structural equation models with unobservable variables and measurement error
 (1981) Journal of Marketing Research, 18 (1), pp. 39-50.
- Garg, A., Kumar, J.
 Exploring customer satisfaction with university cafeteria food services. An empirical study of Temptation Restaurant at Taylor's University, Malaysia (2017) European Journal of Tourism, Hospitality and Recreation, 8 (2), pp. 96-106.
- Glanz, K., Resnicow, K., Seymour, J., Hoy, K., Stewart, H., Lyons, M., Goldberg, J.
 How major restaurant chains plan their menus. The role of profit, demand, and health
 (2007) American Journal of Preventive Medicine,
- Gramling, L., Byrd, R., Epps, L., Keith, D., Lick, R., Tian, R.
 Foodservice management and its impact on college operations: a business anthropological case study
 (2005) Foodservice Research International, 16 (1–2), pp. 15-43.
 Nos
- Hair, J.F., Hult, G.T.M., Ringle, C.M., Sarstedt, M.
 (2017) A Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM),
 2nd ed., Sage, Thousand Oaks
- Hair, J.F., Ringle, C.M., Sarstedt, M.
 Editorial-partial least squares structural equation modeling: rigorous applications, better results and higher acceptance
 (2013) Long Range Planning, 46 (1–2), pp. 1-12.
 Nos

Hair, J.F., Sarstedt, M., Ringle, C.M., Mena, J.A.
 An assessment of the use of partial least squares structural equation modeling in marketing research

(2012) Journal of the Academy of Marketing Science, 40 (3), pp. 414-433.

• Han, H., Ryu, K.

The roles of the physical environment, price perception, and customer satisfaction in determining customer loyalty in the restaurant industry (2009) *Journal of Hospitality and Tourism Research*, 33, pp. 487-510.

- Han, H., Lee, K.S., Chua, B.L., Lee, S., Kim, W.
 Role of airline food quality, price reasonableness, image, satisfaction, and attachment in building re-flying intention

 (2019) International Journal of Hospitality Management, 80, pp. 91-100.
 July
- Henseler, J., Hubona, G., Ray, P.A.
 Using PLS path modeling in new technology research: updated guidelines (2016) *Industrial Management & Data Systems*, 116 (1), pp. 2-20.
- Heyne, L., Wilkins, V., Anderson, L.
 Social inclusion in the lunchroom and on the playground at school (2012) Social Advocacy & Systems Change, 3, pp. 54-68.
- Imran, K.
 Investigating university students' satisfaction with on-campus cafeteria services: an empirical study in perspective of private university
 (2018) Asian Journal of Empirical Research, 8 (6), pp. 225-237.
- Khuhro, R.A., Azahr, S.M., Bhutto, N.A., Sarki, I.H., Shaikh, I.A.
 Customer satisfaction in telecom industry after mobile number portability
 (2011) Interdisciplinary Journal of Contemporary Research in Business, 3, pp. 840-846.
- Kim, W.G., Kim, H-B.
 Measuring customer-based restaurant brand equity
 (2004) Cornell Hotel and Restaurant Administration Quarterly, 45 (2), pp. 115-131.
- Kivela, J., Inbakaran, R., Reece, J.
 Consumer research in the restaurant environment, Part 1: A conceptual model of dining satisfaction and return patronage
 (1999) International Journal of Contemporary Hospitality Management, 11 (5), pp. 205-222.
- Klassen, K.J., Trybus, E., Kumar, A.
 Planning food services for a campus setting
 (2005) International Journal of Hospitality Management, 24 (4), pp. 579-609.
- Kong, J.P., Jamil, S.M.
 Level of satisfaction among postgraduate health sciences students on the cafeteria facilities in Universiti Kebangsaan Malaysia, Kuala Lumpur campus (2014) International Journal of Quality and Service Sciences,
- Kursunluoglu, E.
 Customer service effects on customer satisfaction and customer loyalty: a field research in shopping centers in Izmir City – Turkey (2011) International Journal of Business & Social Science, 2 (17), p. 52.
- Kwon, S., Kim, O., Lee, Y.
 Effects of students' satisfaction with school meal programs on school happiness in South Korea
 (2018) Nutrition Research and Practice, 12 (4), pp. 342-347.

• Kwun, D.J.W.

Effects of campus foodservice attributes on perceived value, satisfaction, and consumer attitude: a gender-difference approach

(2011) International Journal of Hospitality Management, 30 (2), pp. 252-261.

• Kwun, D.J.W., Ellyn, E., Choi, Y.

Campus foodservice attributes and their effects on customer satisfaction, image, and word-of-mouth

(2013) Journal of Foodservice Business Research, 16, pp. 276-297.

• Law, A.K.Y., Hui, Y.V., Zhao, X.

Modeling repurchase frequency and customer satisfaction for fast food outlets (2004) *International Journal of Quality and Reliability Management*,

Liang, X., Zhang, S.

Investigation of customer satisfaction in student food service (2009) International Journal of Quality and Service Sciences.

Lupiyoadi, R.

Manajemen Pemasaran Jasa: Berbasis Kompetensi; Edisi 3 (2018) *Uniwersytet Śląski*, 7 (1), pp. 343-354.

• Mauri, A.G., Minazzi, R.

Web reviews influence on expectations and purchasing intentions of hotel potential customers

(2013) International Journal of Hospitality Management,

Mensah, B.A., Achio, S., Asare, I.O.

Effect of service quality on customer satisfaction in selected cafeterias: a structural equation modeling approach

(2021) International Journal of Tourism and Hospitality Management in the Digital Age, 5 (2).

Mihanović, Z., Batinić, A.B., Pavičić, J.

The link between students' satisfaction with faculty, overall students' satisfaction with student life and student performances

(2016) Review of Innovation and Competitiveness: A Journal of Economic and Social Research, 2 (1), pp. 37-60.

Mooney, K.M., Walbourn, L.

When college students reject food: Not just a matter of taste (2001) *Appetite*,

• Nadzirah, S., Ab Karim, S., Ghazali, H., Othman, M.

University foodservice: an overview of factors influencing the customers' dining choice

(2013) International Food Research Journal, 20, pp. 1459-1468.

Namkung, Y., Jang, S.C.

Does food quality really matter in restaurants? Its impact on customer satisfaction and behavioral intentions

(2007) Journal of Hospitality and Tourism Research,

• Namkung, Y., Jang, S.C.

Are highly satisfied restaurant customers really different? A quality perception perspective

(2008) International Journal of Contemporary Hospitality Management,

Nastasić, A., Banjević, K., Gardašević, D.
 Student Satisfaction as a performance indicator of higher education institution

(2019) Mednarodno Inovativno Poslovanje = Journal of Innovative Business and Management, 11 (2), pp. 67-76.

 Ng, S., David, M.E., Dagger, T.S.
 Generating positive word-of-mouth in the service experience (2011) Managing Service Quality, 21 (2), pp. 133-151.

Award of Degree of Master of Business Administration (MBA),

- Noraishah, S., Abdullah, D., Mansor, N., Mohamed, M., Naba
 Exploring the major determinants of student satisfaction on university cafeteria food services: a Malaysian Case
 (2012) Interdisciplinary Journal of Research in Business, 2, pp. 62-67.
- Ntabathia, M.
 (2013) Service Quality and Student Satisfaction of Students in Private Universities in Nairobi County, A research project submitted in partial fulfilment of the requirement for the
- Nursaid, Purnomo, S.H., Qomariah, N.
 (2020) The Impact of Service Quality and Institutional Image on the Satisfaction and Loyalty of Master of Management Students, pp. 156-161.
- Radzuan, K.
 (2018) Level of Student'S Satisfaction in Cafeteria Inapan Siswa Bank Muamalat, pp. 924-933.
 [Pom 12] [online]
- · Raman, S., Chinniah, S.

An investigation on higher learning student's satisfaction on food services at the university cafeteria

(2011) Proceedings of the 5th International Conference of Asian Academy of Applied Business,

(Eds) Cambodia

• Ribeiro Soriano, D.

The Spanish restaurant sector: evaluating the perceptions of quality (2003) Service Industries Journal,

• Rys, M.E., Fredericks, J.O., Luery, D.A.

Value=Quality? Are service value and service quality synonymous: a decompositional approach

(1987) Add Value to Your Service, pp. 25-28.

Carol Supernat, American Marketing Association

• Ryu, K., Han, H.

Influence of the quality of food, service, and physical environment on customer satisfaction and behavioral intention in quick-casual restaurants: moderating role of perceived price

(2010) Journal of Hospitality and Tourism Research,

Saad Andaleeb, S., Conway, C.

Customer satisfaction in the restaurant industry: an examination of the transactionspecific model

(2006) Journal of Services Marketing.

Serhan, M., Serhan, C.

The impact of food service attributes on customer satisfaction in a rural university campus environment

(2019) International Journal of Food Science,

Shanka, T., Taylor, R.
 Assessment of university campus café service: the students' perceptions

(2005) Asia Pacific Journal of Tourism Research,

- Spence, C., Piqueras-Fiszman, B., Michel, C., Deroy, O.
 Plating manifesto (II): the art and science of plating (2014) Flavour, 3 (1), pp. 1-12.
- Suchanek, P., Richter, J., Králová, M.
 Customer satisfaction with quality of products of food business (2017) Prague Economic Papers, 26 (1), pp. 19-35.
- Sulek, J.M., Hensley, R.L.

The relative importance of food, atmosphere, and fairness of wait: the case of a full-service restaurant

(2004) Cornell Hotel and Restaurant Administration Quarterly,

• Tan, Q., Oriade, A., Fallon, P.

Service quality and customer satisfaction in Chinese fast food sector: a proposal for CFFRSERV scale

(2014) Advances in Hospitality and Tourism Research, 2 (1), pp. 30-53.

Tjiptono, F.
 (2007) Service, Quality Satisfaction,
 [online] (accessed 25 March 2023)

• Troye, S.V., Skalpe, O., Ogaard, T., Larsen, K.F., Henjesand, I.J., Kvitastein, O.A., Risholm, N.

Investigation of customer satisfaction in student food service: an example of student cafeteria in NHH

(1995) *The Economies of Service Quality*, View At, NHH, Bergen

. Urbach, N., Ahlemann, F.

Structural equation modeling in information systems research using partial least squares

(2010) Journal of Information Technology Theory and Application, 11 (2), pp. 5-40.

- (2011) Non-Communicable Diseases Country Profiles 2011, World Health Organization
- Williamson, B.

Making markets through digital platforms: Pearson, edu-business, and the (e) valuation of higher education

(2021) Critical Studies in Education, 62 (1), pp. 50-66.

• Yanuar, M.M., Qomariah, N., Santoso, B.

Dampak kualitas produk, harga, promosi dan kualitas pelayanan terhadap kepuasan pelanggan Optik Marlin cabang Jember

(2017) Jurnal Manajemen Dan Bisnis Indonesia, 3 (1), pp. 61-80.

Yilmaz, E.

Toplam Kalite Yönetimi ve İnsan Merkezli Kütüphanecilik

(2008) Symposium of Scientific Communication and Knowledge Management, pp. 185-211

Üniversite Araştırma Kütüphanecileri Derneği, Ankara

· Yüksel, A., Yüksel, F.

Market segmentation based on tourists' dining preferences (2002) *Journal of Hospitality & Tourism Research*, 26 (4), pp. 315-331.

• Zainol, N.A., Seladorai, J.

What matters most? Factors influencing international students' satisfaction towards

cafeteria foods

(2016) Mediterranean Journal of Social Sciences MCSER Publishing, 7 (4), pp. 2039-9340.

· Zainol, N.A., Seladorai, J.

What matters most? Factors influencing international students' satisfaction towards cafeteria foods

(2016) Mediterranean Journal of Social Sciences,

Zeithaml, V.A., Bitner, M.J., Gremler, D.D.
 Services marketing strategy
 (2010) Wiley International Encyclopedia of Marketing,

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