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Research Article / Araştırma Makalesi

EXAMINING THE MEDIATING ROLE OF MARKETING CAPABILITIES BETWEEN INTANGIBLE FIRM CAPITAL AND MARKET-FOCUSED LEARNING*

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Abstract

The purpose of this study is to investigate the mediating role of marketing capabilities in the relationship between intangible firm capital and market-focused learning. The study was conducted by structured survey method. The research scale was adapted from the scales commonly used in the literature. According to the research results, it has been determined that intangible firm capital affects market-focusing learning and marketing skills. In addition to this, it has also determined that marketing skills affects market-focusing learning and it has partially mediated the relationship between intangible firm capital and market-focused learning. Especially, in the dimensional analysis, it is seen that human capital has a partial mediation effect in this relation. In this context, it can be stated that in the context of the literature contribution, the intangible firm capital will contribute to the improvement of marketing capabilities and market-focused learning. Based on this result, human capital can be considered as an important element for marketing capabilities and market-focused learning.

Keywords: Intangible firm capital, marketing capabilities, market-focused learning, market-driven firm.

MADDİ OLMAYAN FİRMA SERMAYESİ İLE PAZAR ODAKLI ÖĞRENME ARASINDA PAZARLAMA YETENEKLERİNİN ARACILIK ROLÜNÜN İNCELENMESİ

Öz

Bu çalışmanın amacı, maddi olmayan firma sermayesi ile pazar odaklı öğrenme ilişkisinde pazarlama yeteneklerinin aracılık rolünü incelemektir. Çalışma, yapılandırılmış anket yöntemi yoluyla yürütülmüştür. Araştırma ölçeği, literatürde yaygın şekilde kullanılan ölçeklerden adapte edilmiştir. Araştırma sonuçlarına göre, maddi olmayan firma sermayesinin, pazar odaklı öğrenme ve pazarlama yeteneklerini etkilediği belirlenmiştir. Buna ek olarak, pazarlama yeteneklerinin de pazar odaklı öğrenmeyi etkilediği ve pazarlama yeteneklerinin maddi olmayan firma sermayesi ve pazar odaklı öğrenme ilişkisinde kısmi aracılık etkisine sahip olduğu belirlenmiştir. Özellikle, boyutsal incelemede insan sermayesinin söz konusu ilişkide kısmi bir aracılık etkisine sahip olduğu görülmüştür. Literatürel katkı kapsamında, maddi olmayan firma sermayesinin pazarlama yetenekleri ve pazar odaklı öğrenmenin geliştirilmesinde katkı sağlayacağı ifade edilebilir. Bu sonuca dayalı olarak insan sermayesi, pazarlama yetenekleri ve pazar odaklı öğrenmeye yönelik önemli bir unsur olarak düşünülebilir.

Anahtar Kelimeler: Maddi olmayan firma sermayesi, pazarlama yetenekleri, pazar odaklı öğrenme, pazar odaklı şirket. **JEL Codes:** M00, M31

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Introduction

The operational significance of tangible firm capital elements is an indisputable fact; thus, investments on tangible firm assets assert critical importance in terms of traditional business practices. However, in the last decade globalization boost information-intensive business practices and the intensifying competition amplified investments on intangible firm capital elements. These investments gradually gain importance for success in business practices as well as sustainable competitive advantage (Görmüş, 2009). In marketing literature variables that are suggested to affect successful business practices and sustainable competitive advantage include intangible firm capital, marketing capabilities and market-oriented learning (Görmüş, 2009; Griffith vd., 2010; Weerawardena vd., 2006; Uzkurt ve Torlak, 2007). Intangible firm capital consists of four basic dimensions, as human, relational, organizational and informational capitals (Griffith vd., 2010).

Human capital is explained as the business knowledge, skills and expertise of firm's employees (Görmüş, 2009). Relational capital is defined as any kind of firm's relational processes comprising her relations with its customers (De Castro et al., 2004; Léger, 2010; Ghane and Akhavan, 2014). Organizational capital is an important part of structural capital and involves not just firm's organizational culture but also business philosophy, organizational structure, procedures, software and hardware, and databases (Sánchez-Canizares et al., 2007; Bontis, 2001). Griffith et al. (2010) inserts firm's policies, norms, etc. into organizational capital. The fourth and final dimension informational capital is explained as information and knowledge sources that the firm possess concerning her products and stakeholders in the market (Griffith and Lusch, 2007; Nguyen and Nguyen, 2011).

Resource-based theory focuses on firm's essential, unique and inimitable resources and capabilities, which constitutes the basis of its sustainable competitive advantage (Jurisch vd., 2014). There is simple yet basic difference between firm's resources and capabilities. Firms' resources consist of all kinds of inputs that are included in the production process, such as equipment, patents, brand names, financial tools, etc. Firms often concentrate on improvements in productivity regarding resources. Firm's capabilities, on the other hand, are defined as the capacity to accomplish a task or an operation, and firm's resources are considered as the basis of firm's capabilities whereas capabilities constitute the source of competitive advantage (Grant, 1991).

Srivastava (2001) suggests a solid link between resource-based theory and marketing in creating value and mentions that customer value is formed in the market. Thus, firms should integrate resource-based approach to create customer value and conserve competitive advantage; and also, try to understand what constitutes value, where it is shaped, how and with which resources it would be created. Succeeding this depends on accurately defining and continuously tracking customer needs and wants as well as acquiring information on competitors' products and strategies. Therefore, there occurs a need for an efficient information system. However, it would only be possible to build such a system by adopting a learning-based culture that gathers, interprets and disseminates essential information about the market (Uzkurt and Torlak, 2007).

Furthermore, marketing capabilities, which is a component of firm capabilities, are defined as the integrative processes devised for effectively responding to the changing market needs and competitive environment (Griffith et al., 2010). In the past two decades studies about marketing capabilities have investigated the theoretical links between industry structure and developing firm capabilities. The major perspective in this period can be summarized as "competition leads to capability development".

In this way, firms can engage in learning in order to overwhelm competitive challenges; and thus, beneficial resources and capabilities are developed within the firm (Weerawardena et al., 2006). Therefore, establishing a learning-oriented information system has a crucial role in attaining competitive advantage for firms (Uzkurt and Torlak, 2007).

There are a limited number of studies that examine the ability of firms to develop intangible firm capital, which are considered within marketing capabilities; and these studies mostly focus on defining and deploying technological and marketing capabilities (Griffith et al., 2010). Previous studies examined the relationships between organizational learning, market-oriented organizational culture and creating customer value (Uzkurt ve Torlak, 2007); organizational learning, industry structure, innovation and brand performance (Weerwardena et al., 2006); relational learning, organizational innovation and sustainable competitive advantage (Weerwardena, 2003); intangible firm capital, financial performance and market value (Al Matarneh, 2014); market-oriented firm's capabilities and performance (Vorhies et al., 1999); marketing capabilities, intangible firm capital and firm performance (Griffith vd., 2010). This study aims to identify the mediating role marketing capabilities in the relationship between intangible firm capital components and market-focused learning. In this framework, firstly, the literature was reviewed; then, a quantitative survey was conducted; and finally, the presumed relationships were tested with multivariate data analysis.

1. Literature Review

1.1. Intangible Firm Capital

In traditional business approach, investment in tangible capital was of great significance for businesses. But recently, especially in the conditions of intensive competition, invesments in intangible capital are increasing day by day. The investment of companies in intangible capital has become a main element of creating of sustainable competitive advantage (Görmüş, 2009). In this sense, intangible capital such as human capital, relational capital, organizational capital, and informational capital will be explained below.

Human capital (HC) could be considered as the main component of the intellectual capital approach. HC consists of total knowledge, skills, experience and expertise of members of the organizations (Görmüş, 2009). In other words, HC is defined as the business knowledge and skills of a firm's employees. In the studies of Griffith, et. al., 2010, it is stated that HC involves skills, training, experience, expertise and etc. Today in the global intensive competition, firms must increasingly rely on the knowledge, skills, experience and judgement of all their human resources. The whole organization should act in new ways of knowledge-based creativeness and innovativeness in an everchanging competitive environment (Dess and Picken, 2000).

HC has recently become an agent used to increase effectiveness and efficiency from a sustainable competitive advantage point of view. That's why, HC could be deemed a major constituent for enhancing firms' assets and employees as to amplify competitiveness of firms (Marimuthu, et. al., (2009). Since HC primarily focuses on utilization of tacit knowledge that resides in the minds of employees, employees are seemed the most valuable assets to firms (Busch, et al., 2008). HC is of crucial importance for gaining superior competitive advantage; thus, one of the most important tasks of leaders in the organization is transferring HC into structural capital. When compared with the structural capital, the HC is much more volatile than structural capital, since HC could not be owned, but could only be rented. As far as the structural capital is concerned, it could be owned and traded (Edvinsson, 1997; Görmüş, 2009). HC have four attributes which provide some benefits regarded as adding value in terms of individual and organizational outcomes (Marimuthu, et. al., (2009). The human resources skills and productivity can be raised by applying formal and non-formal education and training.

Firms have close relationships within the business environment in order to effectively operate most of their processes. Their competitive power largely depends on methods for managing these relationships. Firms are not isolated organizations, since they continually interact with their business partners, they are strongly dependent on many agents existed in the business environment in many respects (Martinez Garcia De Leaniz & Rodríguez Del Bosque, 2013; Dorrego et al., 2013). Relational Capital (RC) could be explained as the merit of relations that a firm establishes with its

business partners within the business environment such as customers, sellers, suppliers, agencies and so on (De Castro et al., 2004; Léger, 2010; Ghane & Akhavan, 2014). If firms have substantial relations with business partners, these relations lead firms to understand and manage the business environment (Ghane & Akhavan, 2014). From this point, substantial relations are needed to assess the environment thoroughly by the managers and this includes the steps such as the identification of key features of the agents, major procedures that are deployed, effects of the relationships and risk (Bueno, et al., 2004). According to Johansson (2007), RC could be considered as an element of a corporate strategy for achieving competitive advantage. It is not easy to imitate since it has firm-specific characteristics (McCallum, & O'Connell, 2009). In order to enhance firm value, RC is of great use for firms to create and use knowledge in strategic perspectives (Johansson, 2007). In terms of the long-term activities and returns, RC can have significant impact on innovative and creative outcomes (De Castro et al., 2004). Hence, RC can provide some benefits such as reduced transaction uncertainty, substantial affiliation (Griffith, et al., 2010), lead to future financial performance, improve to value creation process and etc. (Léger, 2010). RC has three major facades such as quality, market reputation and customer satisfaction (Dewhurst, & Navarro, 2004).

Organizational capital (OC) and customer capital (CC) are significant parts of structural capital. Organizational capital (OC) consists of systems, hardware, software, databases, organizational structure, work philosophy, as well as organizational culture (Sánchez-Canizares, et al., 2007; Bontis, 2001). Griffith, et al. (2010) added firm strategies, rules etc. to the definition of OC. The success of intellectual capital is determined by stronger OC. If firms have a large and strong OC, they could benefit from their intellectual capital at fullest capacity (Bontis, et al., 2000). To improve organizational capital, human capital can be used a main agent since OC is dependent on human capital (Nazari, & Herremans, 2007). Besides, it is possible for firms to develop and deploy customer capital through the use of OC and HC (Chen, et al., 2004). Finally, OC can provide some benefits such as increased efficiency and competitiveness via organizational learning processes (Griffith, et al., 2010).

Informational capital (IC) refers to the stock of information and/or knowledge resources concerning products and services, customers, competitors, suppliers, intermediaries, and industry structure (Griffith & Lusch, 2007; Nguyen & Nguyen, 2011). Knowledge related to market grows through the findings of technical research, marketing research and competitor information (Griffith, et al., 2010).

1.2. Marketing Capabilities

Resource-based Theory deals with the unique characteristics of organizations that are looking for achieving sustainable competitive advantage based on beneficial and unique resources and capabilities that are developed in the structural systems (Jurisch, et al., 2014). When define resources and capabilities, there is a key distinction between them. Firm resources can be defined as all inputs into the production process. Firms, generally tries to improve their productivity level. Capability is defined, "as the capacity of a set of resources to perform some tasks of activity. While resources are the source of a firm's capabilities, capabilities are the main sources of its competitive advantage" (Grant, 1991). In terms of value creation process, there is a close relationship between RBV and marketing. According to the Srivastava et al., (2001), "it is explicitly recognized that customer value commences and occurs in the marketplace". That's why, to create and sustain customer value in the marketplace, firms must try to integrate RBV and marketing and try to find responses such questions as "what is the source of value, where is the value determined, how is value created, and what is the source of resources? etc." (Srivastava, et al., 2001).

1.3. Market-Focused Learning

Market-focused learning aims to identify firm's capacity to learn from markets or the market segments. Weerawardena & O'Cass (2003) defines market-focused learning as "the capacity of the firm to acquire, disseminate, and use market information for organizational change". The literature

suggests that market-driven firms differ in their ability to continuously sense and act on events and trends in the markets (Day, 1994). Furthermore, a market-driven firm is successful in anticipating the changing needs of markets and to answer them with novel products and services (Slater & Narver, 1995).

This ability provides speed and effectiveness of responses to environmental changes and industry-related conditions. In other words, firms need to continuously scan the environment, analyze the market for new opportunities. Information about changing market preferences reduce the risk of marketing practices and enhance successful operations (Kohli & Jaworski, 1990). Therefore, it is possible to suggest that market focused learning is a core competency about firm' environment, which forms the fundamental bases of sustainable competitive advantage (Weerawardena & O'Cass, 2003).

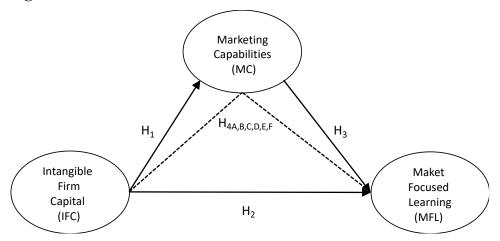
2. Research Design and Methodology

This study was designed as a causal research, which deploys measures of intangible firm capital, marketing capabilities and market-focused learning. The study was based on the development and administration of a structured questionnaire. The research questionnaire covered four-dimensional 12 item intangible firm capital scale, as human capital, relationship capital, organizational capital and informational capital (Griffith et al. 2010); 2 dimensions and 8 item (marketing research capabilities and marketing management capabilities) of 6-dimensional marketing capabilities scale (Vorhies and Harker, 2000); and 7 item market-focused learning scale (Weerwardena et al., 2006). For measuring the responses, we used a five-point Likert Scale, where 1= definitely disagree and 5= definitely agree.

Research sample consisted of furniture manufacturing firms operating in İnegöl, Bursa. Key informants were selected to be marketing or export managers, or high-level managers of these furniture manufacturing firms. Data collection was administered through face-to-face interviews with 202 key informants.

After data screening, preliminary data analysis was undertaken to examine the psychometric properties of the scales via measures of central tendency, bivariate Pearson correlations, reliability estimates, and exploratory factor analysis. Then, for hypothesis testing hierarchical regression analysis was conducted. The research model is presented in Figure 1 below.

Figure 1: Research Model



Research hypotheses were based on previous research in the literature. Literature review shows that previous research have examined the relationships between organizational learning, market-oriented organizational culture and creating customer value (Uzkurt ve Torlak, 2007); organizational learning, industry structure, innovation and brand performance (Weerwardena et al., 2006); relational learning, organizational innovation and sustainable competitive advantage (Weerwardena, 2003); intangible firm capital, financial performance and market value (Al Matarneh, 2014); market-oriented firm's capabilities and performance (Vorhies et al., 1999); human marketing capital, relational marketing

capital and firm-specific marketing capital (Nguyen ve Nguyen, 2011); relational learning process and intellectual capital (Dewhurst and Navarro, 2004); intellectual capital and firm performance (Bontis et al., 2000); marketing capabilities, intangible firm capital and firm performance (Griffith vd., 2010). Respectively, our research hypotheses are as follows;

H₁: Intangible firm capital has a significant effect on marketing capabilities.

H₂: Intangible firm capital has a significant effect on market-focused learning.

H₃: Marketing capabilities has a significant effect on market-focused learning.

H₄: Marketing capabilities (marketing research capabilities and marketing management capabilities) has a mediating role in the relationship between intangible firm capital (informational, relational, organizational and human capital) and market-focused learning.

2.1. Research Findings

2.1.1 Descriptive Findings

Frequency analysis is used for depicting the profile of responding firms. 51% of the responding firms are small firms (less than 50 employees), and the remaining 49% of them are medium-scaled firms (50 to 250 employees). 96% of the responding manufacturing firms are exporting to various markets. 28% of key informant managers are female whereas 72% are males.

2.1.2. Validity and Reliability Analysis

For assessing validity of the constructs exploratory factor analysis (EFA) for each construct was computed (Bryman and Cramer, 2005). The results of EFA showed that KMO value for intangible firm capital (IFC) is 0,735; for marketing capabilities (MC) is 0,850; and, for market-focused learning (MFL) is 0,830. Barlett test values of each construct is statistically significant (p<0,001). IFC theoretically has 4 dimensions (human, relational, organizational and informational capital), however after EFA our data set exhibits a three-dimensional construct. Informational and organizational capital dimensions congregated under the same construct. MC construct presents a two-dimensional construct, namely marketing research capabilities and marketing management capabilities, as was expected. MFL reveals a single-dimensional structure as the literature suggests. Total variances explained for each construct are as follows; IFC 59%, MC 71% and MFL 52%, which are in the accepted ranges.

For reliability testing of the research data, we used internal consistency values of each dimension of the constructs. All internal consistency values lie between 0,63 and 0,8; all of which, except relational capital and human capital, are at suggested acceptance levels (Hair et al., 1998). EFA results are shown in Table 1.

Table 1: Preliminary Results

	T4				Variable	es	
		Items	\overline{x}	σ	K	AVE	α
	ld oital	Our employees have knowledge about our firm policies	4,43	0,60	0,770	_	
	l an Cap	Our employees have knowledge about our industry	4,45	0,62	0,754		
-	Informational and Organizational Capital	Our employees have knowledge about how we do things in the firm	4,45	0,63	0,726	_	0,78
apita	nforma anizat	Our employees have knowledge about our customers and clients	4,35	0,69	0,716		
Intangible Firm Capital	Ir Org	Our employees have knowledge about the practices and procedures of our firm	4,43	0,60	0,661	50.10	
e F	_	Our employees have quite a lot of business contacts	4,27	0,60	0,830	59,10	0,65
ıngibl	Relational Capital	Our employees have formed quite a lot of business connections	4,03	0,75	0,815		
Inta	Rel _k	Our employees have formed a network of business contacts	3,81 0,81 0,498				
	Human Capital	Our employees had several business education and training	3,87	0,69	0,786		0.62
	Jun Cap	Our employees have valuable business capabilities	4,03	0,59	0,727		0,63
	I O	Our employees have valuable business expertise	3,84	0,77	0,577	•	
		Our abilities to segment and target-market help us compete	3,84	0,72	0,857		
85	Marketing Ianagemen	Our marketing management skills give us a competitive edge	3,87	0,69	0,757	•	0.74
Marketing Capabilities	Marketing Management	Our ability to coordinate various departments and groups in this business unit helps us to respond to market conditions faster than our competitors	4,03	0,62	0,655	70,71	0,74
keting	50	Our marketing research abilities help us find more new customers than do our competitors	3,94	0,67	0,858		-
Mar	Marketing Research	Our marketing research skills help us develop effective marketing programs	3,86	0,78	0,850	•	0,80
	Maı Res	We use our marketing research information more effectively than our competitor uses their own marketing research information	3,80	0,73	0,538		
		Our firm have knowledge about market segments	4,18	0,74	0,791		
Market Focused Learning		Our firm searches for innovative ideas through market information	4,10	0,69	0,776	-	
rket Focu Learning		Our firm collects information about markets	4,18	0,71	0,735	- 51,65	0.81
ear		Our firm's capability to learn allow to compete	4,06	0,68	0,687		0,81
arl		Our firm shares information with employees	3,94	0,73	0,656	-	
Z		Our firm uses customer and competitor information in innovations	3,98	0,77	0,655		

EFA is also a tool for testing convergent and discriminant validity. When factor loadings of items that form a construct are equal or greater than 0,60 then convergent validity is established; or, factor loadings of items that form a construct are lower than 0,30 at other factors then discriminant validity is established (Bhattacherjee, 2012). Another method for testing convergent validity is that all variances extracted and factor loadings of items forming a construct were greater than 0,50. On the other hand, to establish discriminant validity, all respective correlations between constructs should be lower than 0,80 (Yanamandram, 2006). Correlation analysis shows that correlations between constructs are lower than 0,80 (See Table 2). Thus, tests indicate that convergent and discriminant validity are established.

2.1.3. Correlation Analysis

Before the final stage of the analysis, correlation analysis was performed to determine the relationships between the variables. As a result of the correlation analysis, it was determined that there were statistically significant relationships between the variables (p<0,05). The results of the preliminary analysis of the instrument indicate acceptance of the psycho- metric properties of the scales, providing adequate support to move to the next stage of the analysis involving hierarchical regression to test the hypotheses.

Table 2: Correlation Analysis Results

Variables	\overline{x}	σ	1	2	3	4	5
1.Informational and Organizational Capital (IOC)	4,42	0,45					
2.Relational Capital (RC)	4,03	0,55	0,072				
3.Human Capital (HC)	3,91	0,52	0,166*	0,487**			
4.Marketing Management Capabilities (MMC)	3,91	0,55	0,255***	0,184**	0,250**		
5.Marketing Research Capabilities (MRC)	3,86	0,61	0,212***	0,139*	0,163*	0,763**	
6.Market-Focused Learning (MFL)	4,07	0,52	0,090	0,208**	0,342**	0,646**	0,567**
** significant at p<0,01 and *p<0,05							

2.1.4. Hierarchical Regression Analysis

After the correlation analysis, hierarchical regression was estimated to examine the level of direct effect and mediation effect of the independent variables on the dependent variables. In order to talk about the existence of mediation effect, the independent variable should have a significant effect on the mediator variable, the mediator variable should have a significant effect on the dependent variable and the independent variable should have a significant effect on the dependent variable (Baron & Keeny, 1986). Accordingly, the effects of (1) independent variables on the mediating variable (2) mediating variable on the dependent variable were examined.

(1) Regression analysis revealed that Informational and Organizational Capital (IOC) (0,26) and Human Capital (HC) (0,18) dimensions of IFC have an impact on MMC. Results indicate that IFC dimensions do not have a statistically significant effect on MRC.

Table 3: Effect of Independent Variables on Mediating Variable

Model 1			MMC	
Wiodel 1	β	T value	P.	Model Summary
Constant	1,674	3,712	0,000**	
IOC	0,267	3,255	0,001**	R ² : 0,12
RC	0,084	1,100	0,273	F _(3,198) : 8,568 (0,000)
НС	0,184	2,226	0,027	•
			MRC	
Model 2	β	T value	P.	Model Summary
Constant	2,416	4,633	0,000**	
IOC	0,121	1,246	0,203	R^2 : 0,05
RC	0,046	0,524	0,601	$F_{(3,198)}$: 3,170 (0,025)
HC	0,186	1,946	0,053	

(2) In the second stage, the effect of the mediating variables on the dependent variable was analyzed. The effect of Marketing Management Capabilities (MMC) and Marketing Research Capabilities (MRC) on Market-Focused Learning (MFL) was tested. It was determined that MMC (0,45) and MRC (0,19) have an effect on MFL.

Table 4: Effect of Mediating Variable on Dependent Variable

Model 1			MFL	
Model 1	β	T value	P.	Model Summary
Constant	1,519	7,469	0,000	-2
MMC	0,459	6,940	0,000	R ² : 0,44 F _(2,199) : 80,684 (0,000)
MRC	0,198	3,334	0,001	1 (2,199). 00,001 (0,000)

(3) In the last stage, the impact of IFC dimensions on MFL was analyzed. A statistically significant relationship was detected between only Human Capital (HC) dimension of IFC on MFL. As it can be seen from Table 3, HC has also an impact on Marketing Management Capabilities (MMC). Since the other 2 dimensions of IFC do not have a significant effect on MFL, only the mediating role of HC was tested. As Table 4 shows, there is no significant relationship between IFC dimensions and Marketing Research Capabilities (MRC). Therefore, the mediation effect of MRC was not tested.

 Table 5: Effect of Independent Variable on Dependent Variable

Model 1			MFL	
Wiodei i	β	T value	P.	Model Summary
Constant	2,485	5,900	0,000	
IOC	0,040	0,519	0,605	R ² : 0,12
RC	0,051	0,724	0,470	F _(3,198) : 9,019 (0,000)
HC	0,309	4,003	0,000	-

In order to test the mediation effect, the independent variable, mediator variable and dependent variable were entered the model together. Using hierarchical regression analysis and Sobel test, the mediation effect was tested between HC (independent variable), MMC (mediator variable) and MFL (See Table 6).

Table 6: *Mediating effect of HC on MFL (MMC Mediating Variable)*

Model 1		MFL (with	out Mediati	ng Variable)
Model 1	β	T value	P.	Model Summary
Constant	2,740	10,435	0,000**	R ² : 0,12
НС	0,341	5,141	0,000**	F _(1,200) : 26,433 (0,000)
		MFL (wit	th Mediating	(Variable)
Model 2	β	T value	P.	Model Summary
Constant	1,133	4,471	0,000**	-2
НС	0,192	3,547	0,000**	R ² : 0,452 F _(2,199) : 81,941 (0,000)
MMC	0,56	11,024	0,000**	1 (2,199). 01,741 (0,000)

In the first model, the mediator variable was not included in the model; while in the second model, the mediator variable was entered into the model. The mediation effect is explained as the decrease in the effect of the independent variable on the dependent variable when the mediator variable is added to the model. In this case, when the effect converts to a statistically insignificant one, it is interpreted as full mediation effect; when the effect decreases but remains statistically significant, it is interpreted as partial mediation effect.

The mediating effect of MMC on the relationship between IFC and MCL was tested with hierarchical regression analysis. In the model where the mediating variable was not included, only HC of the IFC dimensions, was found to have an impact on MFL with an effect size of 0,34 (R 2 : 0,120; F_(1,200): 26,433; p<0.01). After the mediator variable was entered into the model, the effect of HC on POE ($\Delta\beta_1$ - $\Delta\beta_2$) showed a decrease of 0,15, but still statistically significant impact . Accordingly, this decrease indicates that MMC has a partial mediation effect on the relationship between HC and MFL. On the other hand, MMC has an impact Market-focused Learning with an effect size of 0,56. In addition to hierarchical regression, Sobel test was performed to test the mediation effect (Jyoti and Sharma, 2017). The overall effect of IFC on MFL and the mediation effect of MC through its overall effect were also examined. Results showed that IFC has an effect on MC with an effect size of 0,41, and on MFL with an effect size of 0,44. Furthermore, MC was found to have an impact on MFL with an effect size of 0,63.

Table 7: Intangible Firm Capital, Marketing Capabilities and Market-Focused Learning

			MC	
Model 1	β	T value	P.	Model Summary
Constant	2,165	5,240	0,000**	R ² : 0,08
IFC	0,418	4,194	0,000**	F _(1,200) : 17,588 (0,000)
			MFL	
Model 2	β	T value	P.	Model Summary
Constant	2,267	5,692	0,000**	R ² : 0,09
IFC	0,439	4,566	0,000**	F _(1,200) : 20,845 (0,000)
			MFL	
Model 3	β	T value	P.	Model Summary
Constant	1,591	7,836	0,000**	R ² : 0,433
MC	0,639	12,368	0,000**	F _(1,200) : 152,971 (0,000)

Hierarchical regression analysis was performed to test the overall mediation effect of Marketing Capabilities. Model 1 (without the mediating variable) indicates that IFC has an impact on MFL with an effect size of 0,44. In model 2, when the mediating variable was entered in the regression estimation, the effect of IFC on MFL have decreased. The impact of IFC on MFL ($\Delta\beta_1$ - $\Delta\beta_2$) decreased by 0,25. The coefficient of the independent variable is significant at the 0,05 level. Therefore, hierarchical regression indicated that According to these data, it can be stated that MC has a partial mediation effect. The effect size of MC on MFL is 0,60.

Table 8: *Intangible Firm Capital and Market-Focused Learning (Marketing Capabilities Mediating Variable)*

		MFL (wit	hout Medi	ating Variable)			
Model 1	β	T value	P.	Model Summary			
Constant	2,267	5,692	0,000**	R ² : 0,09			
IFC	0,439	4,566	0,000**	F _(1,200) : 20,845 (0,000)			
		MFL (with Mediating Variable)					
Model 2	β	T value	P.	Model Summary			
Constant	0,961	2,894	0,000**	•			
IFC	0,187	2,380	0,018*	R ² : 0,449 F _(1,200) : 81,102 (0,000)			
MC	0,603	11,319	0,000**	1 (1,200). 61,102 (0,000)			

3. Discussion and Conclusions

This study focuses on the mediating role of marketing capabilities (PMC) in the relationship between intangible firm capital (IFC) and market-focused learning (MFL). A number of research suggest that IFC has an essential role in developing marketing strategy and building competitive advantage. The significant role of IFC in business performance, organizational performance, financial results, and value creation has been investigated in previous studies (Hu et al., 2015). Intangible firm capital substantially contributes to financing an organization's vision (Bontis, 2001). Furthermore, from a macroeconomic point of view, intangible capital is also considered as a critical resource for the development and growth of national economies (Li and Wu, 2018). Griffith et al. (2010) identified the facets of intangible firm capital as human capital, relational capital, organizational capital and informational capital.

Some researchers argue that marketing capabilities exhibits a multi-dimensional structure, which theoretically comprises pricing, product, distribution, marketing communication, sales and marketing practices; as well as marketing planning, marketing research and marketing management capabilities (Vorhies and Harker, 2000; Morgan et al., 2009). This study adopted two dimensions of marketing capabilities, namely marketing management capabilities and marketing research capabilities, which were suggested by Vorhies and Harker (2000).

Griffith et al. (2010) examined the effect of IFC components on firm performance in Japanese and American firms, and concluded that marketing capabilities also affect firm performance in both countries. They found that human capital and relational capital affect marketing capabilities in Japanese firms, whereas organizational and informational capital do not. In case of American firms, on the other hand, while informational capital does not affect marketing capabilities, human, relationship and organizational capital affect marketing capabilities. As a result, it was determined that marketing capabilities have a full mediating effect in the relationship between IFC and firm performance (Griffith et al., 2010). In a similar study Cheng and Krumwiede (2017) examined critical elements of intangible firm capital for developing new service. They defined intangible firm capital

depending on Walsh et al. (2008) as knowledge and skills-based resources, such as market experience, technical knowledge, or customer relations that are essential for firm performance. From a service-dominant logic, the research suggested that the elements of intangible firm capital involve market capital, service delivery capital, interactional capital and learning capital. In different clusters, the impact of market capital, service delivery capital and interaction capital and learning capital on new service success was confirmed (Cheng and Krumwiede, 2017).

Moreover, significant relationships were detected between customer orientation, competitor orientation, commitment to learning and value creation efforts; where customer orientation and commitment to learning affect customer value creation efforts (Uzkurt and Torlak, 2007); industry structure has a significant effect on market-focused learning and relational learning, and relational learning and organizational innovation impact brand performance (Weerwardena et al, 2006); marketing capabilities affect organizational innovation intensity and sustainable competitive advantage (Weerwardena, 2003a; Weerwardena, 2003b); network capabilities enable born-global firms to identify market opportunities in a variety of ways (Mort and Weerawardena, 2006); human capital occupies a central role among intangible firm capital elements (Al Matarneh, 2014); highly market-oriented firms possess superior marketing capabilities (Vorhies et al, 1999); as well as significant relationships between human marketing capital, relational marketing capital and firm-specific marketing capital (Nguyen & Nguyen, 2011); the relational learning process and intellectual capital (Dewhurst & Navarro, 2004); human capital, customer capital, structural capital and business performance (Bontis, Chong Keow, & Richardson, 2000) has been confirmed.

Table 9: Hypothesis Test Results

Нур	othesis	Result	Sobel Test
H_1	Intangible firm capital has a significant effect on marketing capabilities	Accepted	
H_2	Intangible firm capital has a significant effect on market-focused learning	Accepted	
H ₃	Marketing capabilities has a significant effect on market-focused learning	Accepted	
H ₄	Marketing capabilities has a mediating role in the relationship between intangible firm capital and market-focused learning	Accepted	3,95 (0,000)
H _{4A}	Marketing management capabilities has a mediating role in the relationship between human capital and market-focused learning	Accepted	3,34 (0,000)
H_{4B}	Marketing management capabilities has a mediating role in the relationship between relational capital and market-focused learning	Rejected	
H _{4C}	Marketing management capabilities has a mediating role in the relationship between informational and organizational capital and market-focused learning	Rejected	
H_{4D}	Marketing research capabilities has a mediating role in the relationship between human capital and market-focused learning	Rejected	
H_{4E}	Marketing research capabilities has a mediating role in the relationship between relational capital and market-focused learning	Rejected	
H_{4F}	Marketing research capabilities has a mediating role in the relationship between informational and organizational capital and market-focused learning	Rejected	

Results of this research show some similarities with previous studies in several aspects. This study showed that intangible firm capital impact marketing capabilities, as expected. The study also verified that marketing capabilities have a partial mediation effect on the relationship between intangible firm capital and market-focused learning, where Griffith et al. (2010) found as a full mediation effect. In addition, human capital was found to be more effective than other intangible capital dimensions. This result is similar to the result of Al Matarneh, (2014). Furthermore, our findings are consistent with the results of Griffith et al. study (2010) that organizational and informational capital do not have an

impact on marketing capabilities for Japanese firms and informational capital do not have an impact on marketing capabilities for American firms.

The role of market-driven capabilities in competitive strategy has grown significantly in the last two decades, however few efforts have been made to comprehend and operationalize the key constructs in Türkiye. This study contributes to the Capability-based Theory of competitive advantage by testing measures for marketing capabilities and market-focused learning. The study also contributes to the understanding on the role of marketing in the strategy development. For practitioners, the results of the study provide an achievable path for developing competitive advantage by focusing on potential sources of intangible firm capital.

Though the study provides some useful insights about the role of market-driven capabilities in developing sustainable competitive advantage, certain limitations should be recognized. First, the study conducted in the furniture manufacturing sector, although research in other industries is required. In addition, the respondent firms in this study are SME's. Thus, further studies are needed for understanding the role of market-driven capabilities in strategy formation in large firms.

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