

Bingol Province Is a Case Study for the Determination Of Businesses And Organizations Of Project Management Perception

Assoc.Prof.Dr. Sait PATIR

Bingol University Faculty of Economics and Administrative Sciences Department of Business Administration
Quantitative Methods. Bingol/TURKEY

ABSTRACT: Producing Project in the first quarter of the 21st century and the new project is oriented towards business will provide significant advantages over the others. Projects, businesses and institutions increasingly value the day they realized the peculiar; team, budget and time frame, which is a set of activities. A feature that provides a competitive edge to the project development business culture and tradition come to the fore.

KEYWORDS: Project Management, Proactivity, Project Culture

1. THEORETICAL FRAMEWORK

The project, with specific resources, which should be completed in a certain time and can be defined as non-recurring special operations community (William J. S, 1993.776) .So, the project special, created only once, are transactions, which aims to achieve a group goal within a certain time (Lock.d, 1993.776). In other words, projects, usually lasting less than three years and the various organizational units of works related to each performed by a well-defined objective is a complex endeavor with a specific time table and budget (Archibald, R. D., 1976). In short, the project is a complex effort expended to achieve a specific purpose (Vleland D. I. & King W., 1983.155). Project Ganter scheme developed with management and control and include CPM and PERT Analysis (Patir, 2015.115). In general, common features of the project can

be expressed as follows, namely (Spinner.m.p, 1997.4);

- It has a specific start and end times, Objectives are clearly defined,
- reveal the results or a specific product,
- unique and requires a non-duplication of effort,
- resources are consumed to perform, cost and time spent bearable,
- Projects are significant risks and uncertainties. However, they gradually reduced as the project progressed,
- closer to the result of the cost of a project to accelerate gradually increases.

Project management is the sum of the works and actions undertaken towards achieving a goal. Project management, all management functions, including management in the forefront of the new design of the system (planning, organization, management and control) to understand. Project management, receipt of all necessary measures to resolve the problems that the system design and implementation of the process (Albayrak, 2001.186).

Project management is a very flexible structure. In this regard, there are significant differences between the company management and project management. Business management, business functions, configured to ensure effective execution. However, it is mandatory to organize the unique project management. Project management created a separate and distinctive features for each project are (Albayrak, 2001.186).

- Scope of project management tasks should be determined in advance,
- Numerical status and qualifications of project team members may change during the execution of the project,
- Numerical status and qualifications of project team members, regardless of position in the business,
- Members of the project team, the project left the company during the time they are in charge of the tasks they carry out only project-related tasks,
- The life of the project group is limited to the duration of the project

2.1. Research Aims and Scope

The aim of the research project the perception of the management and control of enterprises in Bingol survey is to determine path. The study surveyed attitudes cases against the project and will try to get the perception of the functioning of this unit.

2.2. Method of Study

Research survey method was used. developed a questionnaire to collect data and information on research, demographics, perceptions in order to remove their attitude towards the project and the acquisition of a number of proposals to consist of a total of 22 questions. Forming a measurement value; 1. Strongly Disagree, 2. I do not agree, 3. not sure, 4. I agree, 5. I agree strongly. Until completely examine the entire body, it leads to disadvantages in terms of time and cost, it has been adopted by way of example. A survey by going to a total of 220 enterprises have applied.

2.3. Research Assumptions

1. Data collection of reliable survey instrument used in the technique and it is assumed that there is a valid technique.

Malaria

2. Responses of enterprises are assumed to be valid and reliable
3. A total of 220 businesses / organizations are assumed to represent the province of Bingol business.

2.4. Research Findings

2.4.1. Demographic Results

The survey of 220 business / organization was implemented. The names of the surveyed institutions reserved. Demographic data obtained by questionnaire chart was obtained as in the first

Table 1: Demographic characteristics of the respondents

Type of Activity	frequency	Percent
Special	108	49,1
Public	112	50,9
Total	220	100
Position the filled questionnaire		
Manager	48	21,8
Assistant director	33	15,0
Project manager	26	11,8
Manufacturing engineer	17	7,7
Person in charge	96	43,6
Total	220	100,0
Activity area		
Education	87	39,5
Health	46	20,9
Trade	57	25,9
Agriculture	17	7,7
Spore	13	6,0
Total	220	100

Looking at Table 1 when it is seen that 49% of the respondents, 51% are private and public institutions. 49.6% as the person responsible for filling out the survey and 21.6% was obtained as a manager. 39.5% education as Supplier has obtained 20.9%

health. Do you have a project volume status is given in table 2.

Table 2. Do you have a project unit?

	frequency	Percent
Yes	124	64,4
No	96	43.6
Total	220	100

When Table 2 is examined in 64% of the respondents that the project units and the 44% that we see in the unit. Do you have employees in the project management unit is given

Table 3: Is your project running unit?

	frequency	Percent
Yes	129	58,6
No	91	41,4
Total	220	100

When Table 3 there is when working in project units 58.6% and 41.4% were expressed in the absence of employees. Is there a tradition of producing your unit project is presented in Table 4.

Table 4: Is there a tradition of producing projects in your department?

	frequency	Percent
Yes	109	49,5
No	111	50,5
Total	220	100

Table 4 to create 49.5% yes Considering there is a tradition in our unit project and there is no tradition of producing projects in our unit 50.5%, they said. The lack of tradition in the production units of the project participants, half of the survey is very striking. Do you have a mechanism to produce the project, it is presented in Table 5.

Table 5: Do you have a mechanism to produce the project?

	frequency	Percent
--	-----------	---------

Yes	98	44,5
No	122	55,5
Total	220	100

Looking at the table 5 when generating projects 55.5% of respondents mechanism that unit, while 44.5% agreed that while there is a system they believe that there is such a mechanism. More than half of the respondents is emerging as a significant deficiency related to the project to produce the absence of such a system. What is your idea of the project work? the responses received to the questions are given in Table 6.

Table 6: What is your approach to the project activities?

	frequency	Percent
positive	170	77
negative	50	23
Total	220	100

Table 6 when viewed against generating projects, 77% of respondents positively approaching, approaching negative 23%. This survey showed that the prejudice against the participants of the project is a positive development in terms of production. What areas of your project that you produce this year? answer to the question is given in Table 7.

Table 7: What is the area of your project that you produce this year

	Freque ncy	Percent
Bap	41	18,7
TUBITAK	52	23,7
projects supported by the EU	19	8,7
R + D projects	18	8,1
Innovation (Innovation) Projects	24	10,9

New Projects	18	8,1
Process Projects	9	4,1
The projects created for Patents	2	0,009
The projects created with the request of the Ministry	32	14,5
The projects created as a sponsor to investigators	5	2,2
Total	220	100

TUBITAK projects with 23.7% Table 7 When comes the projects created with BAP request of the Ministry with 18.7% and 14.5%, respectively. Other project areas are watching the roller coaster. What is your number of projects that started this year, it is presented in Table 8.

Table 8: What is the number of projects that started this year?

Number	Frequency	percent
1	11	5,0
2	103	46,8
3	47	21,4
4	24	10,9
5	10	4,5
6	7	3,2
7	18	8,2
Total	220	100

Table 8 in the case how did you start the project this year, when it stated that they began to look at most two projects with 46.8%. However, with three projects and 21.6%, respectively, it stated that four projects begin with 10.9%. Surveyed businesses / organizations are drawing attention as they start two projects about half of the year. Project management time, quality, cost and risk management is a

success in terms of distribution of managers who completed the questionnaire is presented in table 9.

Table 9: Project management time cost of quality risk management is a success

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	5	5	9	17	12	48
Assistant director	2	1	3	12	15	33
Project manager	3	4	2	11	6	26
Manufacturing engineer	1	0	3	9	4	17
Person in charge	16	18	14	23	25	96
Total	27	28	31	72	62	220

Table 9 when viewed totally agree and 61% agree, 25% disagree and disagree at all, I'm not sure it is in the form of 14%. When the respondents project management, quality, cost, and risk management is a success, it is seen that they accept the proposition. Judging by their position in the enterprise; 60% of managers, 81% of the assistant manager, 65% of project managers, 50% accepted the proposition is seen that the people responsible for 75% and production engineers. Generating new projects of the Authority are positive, suggesting the table are given for those who completed the questionnaire 10.

Table 10: Generating new projects of the Authority is positive

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	0	5	5	28	10	48
Assistant director	1	7	2	8	15	33
Project manager	1	5	3	10	7	26
Manufacturing engineer	2	2	3	7	3	17
Person in charge	13	17	15	17	34	96
Total	17	36	28	70	69	220

Referring to Table 10, 63%, agree and I totally agree, 24% disagree and disagree at all and I'm not sure it is in the form of 13%. While they also agreed to propose a large majority. No matter who will be evaluated in terms of fill; 79% of managers, 69% of the deputy director, project managers, 65%, 53% and 58% of the persons responsible for manufacturing engineers have expressed an unqualified opinion. Disquiets employees of The separate units of the project budget, evaluation of propositions and fill those are given in Table 11.

Table 11: Disquiets employees of the separate units of the project budget

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	6	13	12	15	2	48
Assistant director	6	5	9	6	7	33
Project manager	3	7	3	7	6	26
Manufacturing engineer	4	4	3	5	1	17
Person in charge	20	25	25	15	11	96
Total	39	54	52	48	27	220

When 43% of the respondents Table 11 disagree and disagree, agree and 34% totally agree and 24% is in the form I'm not sure. respondents said they participate in this proposition, put forth a vision that is shaped to be a concern. If it will be judged according to their position in the enterprise; 40% of managers, 33% of assistant manager, project manager of 38%, 47% and 46% of those responsible for the production engineers were reported opinion they do not agree. I am against the creation of new ideas

Table 12: I am opposed to the creation of new ideas and projects they meet

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am Very agree	
Manager	18	14	1	7	8	48
Assistant director	10	7	1	5	10	33
Project manager	10	5	4	6	1	26
Manufacturing engineer	5	5	5	2	0	17
Person in charge	45	20	14	16	1	96
Total	88	51	25	36	20	220

When Table 12 is viewed a total of 63% who disagreed with this proposition, the total participants consist of 25% and 12% undecided. If you look at the position in the enterprise; 66% of managers, 51% of the deputy director, the project manager responsible for 67% and 57% of the people that participate in this proposition, that cannot be expressed in such a situation. The project does not contribute to dry, and fill those identified in terms of the proposition is given in table 13

Table 13: The project does not contribute to dry

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am Very agree	
Manager	23	12	1	7	5	48
Assistant director	7	5	8	4	9	33
Project manager	7	5	6	7	1	26
Manufacturing engineer	5	5	3	2	2	17
Person in charge	34	23	19	13	7	96
Total	76	50	37	33	24	220

Table 13 does not provide project when dry additives in all, while 58% do not attend to propose, participate and 26% remain undecided 17%. Respondents are of the opinion that the project contributes to dry. If it is analyzed respondents according to their position in the business, 36% of assistant manager% 72's, the director of the project, 46% of managers, 59% of 58 and responsible person's% of production engineers have rejected this view. So, the opinion of the project will contribute to dry.

Table 14: Development, progress and new opportunities are obtained through projects

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	17	13	4	7	7	48
Assistant director	8	11	3	5	6	33
Project manager	7	4	6	8	1	26
Manufacturing engineer	2	6	4	3	2	17
Person in charge	22	23	18	18	15	96
Total	56	57	35	41	31	220

When Table 14 is viewed developments, progress and new opportunities will be with the project, 51% of respondents did not participate in the premise it has remained unstable participated in 33% and 16%. According to respondent’s development, progress and whether project just announced the acquisition of the new opportunities, they felt the need to mention other factors. Looking at the distribution of the position; 62% of managers, 57% of the assistant manager, 42% of project managers, engineers, 47% of production, 47% of the person responsible for their participation in this idea. The project shows differences and other institutions identified in terms of those who completed the questionnaire is presented in Table 15.

Table 15 Project shows differences and other institutions

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	0	6	4	22	16	48
Assistant director	4	3	7	9	10	33
Project manager	1	2	3	11	9	26
Manufacturing engineer	0	3	3	6	5	17
Person in charge	10	14	13	36	23	96
Total	15	28	30	84	63	220

When looking at Table 15, it shows differences and projects with other institutions, the statement while attending the respondents, 66%, and 20% did not participate in 14% remained undecided. Respondents with a very strong way with other institutions gave their support to the project will be the difference. From the perspective of those who filled out the survey; 79% of managers, 57% of the deputy director, project managers, 76%, 61% and 64% of the persons responsible for manufacturing engineers have agreed to this proposition. The project shows the quality of the institution, in terms of due diligence condition survey respondents are given in Table 16.

Table 16: Projects shows the quality of the institution

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	3	7	7	19	12	48
Assistant director	1	3	5	10	14	33
Project manager	2	3	3	9	9	26
Manufacturing engineer	0	1	5	5	6	17
Person in charge	5	7	15	34	35	96
Total	11	21	35	77	76	220

When viewed Table 16; the project will improve the quality of institutions, the statement while attending the respondents, 68%, 15% did not participate and remained undecided 16%. A large portion of the respondents support the issues that are obtained by producing the quality of the project. If we look inside the business case; 64% of managers, 72% of the deputy director, project managers, 69%, 66% and 64% of the persons responsible for manufacturing engineers are supporting this. EU projects are the organization's main objective is to identify the status of those cases and surveys are given in Table 17.

Table 17. European Union institutions are the main objectives of the project

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	1	3	9	19	16	48
Assistant director	0	5	2	17	9	33
Project manager	4	2	2	9	9	26
Manufacturing engineer	0	2	3	6	6	17
Person in charge	3	4	16	31	42	96
Total	8	16	32	82	82	220

When viewed Table 17; European Union institutions are the main objectives of the project, the statement while attending the respondents, 56%, 20% did not participate in 24% and remained unstable. If the case will be handled in house; 54% of principals, deputy director of the 57%, 53% of the project manager, manufacturing engineer responsible for 52% and 57% of people were positive about the proposition. The project provides the largest contribution to remove the identity of the institution to the forefront

Table 18: Projects provide the largest contribution to remove the identity of the institution to the forefront

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	2	3	6	25	12	48
Assistant director	1	2	9	13	8	33
Project manager	3	3	5	9	6	26
Manufacturing engineer	1	3	0	7	6	17
Person in charge	4	16	16	38	22	96
Total	11	27	36	92	54	220

Table 18 projects the organization's identity when viewed from the foreground to the interests of the proposition, 66% attending, did not attend 17% and 17% are undecided. All questions have been the greatest support in this question. Looking at the situation in terms of responders; 77% of managers, 63% of the deputy director, project managers, 57%, 76% and 62% of those responsible for the production engineers have supported this view. Future competition will be among those who support this project and producing, state table 19 'is given.

Table 19: Future competition will be among those who support this project and producing

POSITION	I am Not any agree	I am not agree	I am Not sure	I am agree	I am very agree	
Manager	1	3	9	19	16	48
Assistant director	0	5	2	17	9	33
Project manager	4	2	2	9	9	26
Manufacturing engineer	0	2	3	6	6	17
Person in charge	3	4	16	31	42	96
Total	8	16	32	82	82	220

Looking at the results Table 19: Future competition, producing projects and the proposition will be among those who support it, 74% participated, he did not attend 11% and 15% remained undecided. a large proportion of respondents gave their support to this idea. With respect to their position in the plant; 72% of principals, 78% of the deputy director, project managers, 69%, 76% and 70% of the persons responsible for manufacturing engineers have supported this idea. The arrival of the deputy director of the largest support is remarkable.

2.5. Reliability Analysis

Reliability analysis of the results is given in Table 20.

Table 20: Reliability results

Cronbach's Alpha	N of Items
,678	27

Reliability analysis of the results has increased 678% as an acceptable value.

2.6. FACTOR ANALYSIS

The survey questions were examined factor analyzes. Factor analysis results are given in Table 21.

Table 21: Factor analysis

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3,067	27,881	27,881	3,067	27,881	27,881
2	2,111	19,195	47,075	2,111	19,195	47,075
3	1,106	10,052	57,127	1,106	10,052	57,127
4	,871	7,921	65,048			
5	,781	7,096	72,143			
6	,734	6,676	78,820			
7	,631	5,739	84,558			
8	,486	4,418	88,976			
9	,457	4,152	93,128			
10	,408	3,706	96,835			
11	,348	3,165	100,000			

3 factors were obtained at the end of factor analysis looking at Table 21. A load value

57,125'lik% in total was obtained. This load value expressed as a load intermediate¹.

Table 20: Distribution according to Factors questions

Question	Component		
	1	2	3
1	,766	-,014	-,131
2	,705	-,071	-,399
3	,236	,505	-,648
4	-,223	,771	-,168
5	-,132	,810	,002
6	-,072	,677	,482
7	,645	,025	,298
8	,633	-,056	,197
9	,508	,348	,245
10	,657	,107	,227
11	,590	,070	-,100

The first factor; It comprises seven sub variable. These; Project management time cost of quality risk management is successful, the institution produce new projects is positive, the project shows differences and with other institutions, the project shows the quality of institutions, is supporting the project with the organization's main goals of the European Union, the project provides the largest contribution to remove the identity of the institution to the

¹

forefront, the race between future institutions project development and support will be in the field. Core values of 3,067 and the total variance in the form of 27.881%.

The second factor; It includes three sub-variable. These; I am against the creation of new ideas and projects to meet the Project will not contribute to dry, project development progress is achieved with new opportunities. Core values of 2.111 and 19.195% variance is shaped.

The third factor; disquiets employees of the separate units of the project budget is composed of sub-variables. Eigen values and variance of 1.106 was obtained as 10.052%.

3. CONCLUSIONS AND RECOMMENDATIONS

- 49% of respondents shows that 51% of private and public institutions. 49.6% as the person responsible for filling out the survey and 21.6% were obtained as a manager. 39.5% education as Supplier has obtained 20.9% health.
- In 64% of the respondents that the project units and we see that the unit is 44%.
- Respondents; The project is running on 58.6% and 41.4% unit was stated as not working.
- Your unit, you have to create custom project? Question; There is a tradition in our building projects unit yes 49.5% and 50.5%

no, there is no tradition of producing projects in our unit, they said. The lack of tradition in the production units of the project participants, half of the survey is very striking.

- Mechanisms that produce 55.5% of the units in the project of the respondents, while 44.5% of the system while recognizing that they think that there is such a mechanism. More than half of the respondents are emerging as a significant deficiency related to the project to produce the absence of such a system.
- To produce the project, 77% of respondents positively approaching, approaching negative 23%. This survey showed that the prejudice against the participants of the project is a positive development in terms of production.
- TUBITAK projects generated 23.7% of the project. When the field comes BAP projects created voluntarily by the Ministry with 14.5% and 18.7%, respectively. Other project areas are watching the roller coaster.
- How did you start the project in the state this year, when it stated that they began to look at most two projects with 46.8%. However, with three projects and 21.6%, respectively, it stated that four projects begin with 10.9%. Surveyed businesses /

organizations are drawing attention as they start two projects about half of the year.

- Project management; time, quality, cost, and risk management is a success, the premise; I totally agree and 61% agree, 25% disagree and disagree at all, I'm not sure it is in the form of 14%. When the respondents project management, quality, cost, and risk management is a success, it is seen that they accept the proposition. Judging by their position in the enterprise; 60% of managers, 81% of the assistant manager, 65% of project managers, 50% accepted the proposition is seen that the people responsible for 75% and production engineers. The biggest support came from the deputy director's attention draws.
- generating new projects is positive on the premise of the institutions; 63% agree and I totally agree, 24% disagree and disagree at all and I'm not sure it is in the form of 13%. While they also agreed to propose a large majority. No matter who will be evaluated in terms of fill; 79% of managers, 69% of the deputy director, project managers, 65%, 53% and 58% of the persons responsible for manufacturing engineers have expressed an unqualified opinion. Director of position higher than other projects to produce positive approach is noteworthy.

- The anxious workers need a separate unit of the project budget, with the statement; I do not agree at all and 43% disagree, 34% agree and as I'm not sure I totally agree and 24%. respondents said they participate in this proposition, put forth a vision that is shaped to be a concern. If it will be judged according to their position in the enterprise; 40% of managers, 33% of assistant manager, project manager of 38%, 47% and 46% of those responsible for the production engineers were reported opinion they do not agree. As the largest rate of abstentions is noteworthy that the production engineer.

- I am against the creation of new ideas and projects are to meet, on the premise; The total of those who participate in 63% of the total respondents consist of 25% and 12% undecided. If you look at the position in the enterprise; 66% of managers, 51% of the deputy director, the project manager responsible for 67% and 57% of the people that participate in this proposition, that can not be expressed in such a situation. Noting that the rejection rate is among the biggest draws responsible persons.

- The project does not contribute to dry, while 58% do not attend to propose, participate and 26% remain undecided 17%. Respondents are of the opinion that the project contributes to dry. If it is analyzed

respondents according to their position in the business, 36% of assistant manager% 72's,, the director of the project, 46% of managers, 59% of 58 and responsible persons% of production engineers have rejected this view. So, the opinion of the project will contribute to dry.

- Developments in progress and the project will be new opportunities, 51% of respondents did not participate in the premise it has remained unstable participated in 33% and 16%. According to respondent's development, progress and whether project just announced the acquisition of the new opportunities, they felt the need to mention other factors. Looking at the distribution of the position; 62% of managers, 57% of the assistant manager, 42% of project managers, engineers, 47% of production, 47% of the person responsible for their participation in this idea. Up to attend case is noteworthy that 62% of directors.

- Project indicate differences and with other institutions, the statement while attending the respondents, 66%, and 20% did not participate in 14% remained undecided. respondents with a very strong way with other institutions gave their support to the project will be the difference. From the perspective of those who filled out the survey; 79% of managers, 57% of the deputy

director, project managers, 76%, 61% and 64% of the persons responsible for manufacturing engineers have agreed to this proposition. It is noteworthy that the strongest support came from managers and 79%.

- The project will improve the quality of institutions, the statement while attending the respondents, 68%, 15% did not participate and remained undecided 16%. A large portion of the respondents support the issues that are obtained by producing the quality of the project. If we look inside the business case; 64% of managers, 72% of the deputy director, project managers, 69%, 66% and 64% of the persons responsible for manufacturing engineers are supporting this.

- The European Union institutions are the main objectives of the project, the statement while attending the respondents, 56%, 20% did not participate in 24% and remained unstable. If the case will be handled in house; 54% of principals, deputy director of the 57%, 53% of the project manager, manufacturing engineer responsible for 52% and 57% of people were positive about the proposition.

- Projects organization's identity to the forefront the interests proposition, 66% of respondents reported positive 17% , unfavorable opinion and 17% are undecided.

All questions have been the greatest support in this question. Looking at the situation in terms of responders; 77% of managers, 63% of the deputy director, project managers, 57%, 76% and 62% of those responsible for the production engineers have supported this view. Director of the biggest draws attention to providing support.

- Future competition, producing projects and the proposition will be among those who support it, 74% of survey respondents have a positive approach, approaching 11% negative and 15% remained undecided. a large proportion of respondents gave their support to this idea. With respect to their position in the plant; 72% of principals, 78% of the deputy director, project managers, 69%, 76% and 70% of the persons responsible for manufacturing engineers have supported this idea. The arrival of the deputy director of the largest support, is remarkable.

REFERENCES

ALBAYRAK, B., Proje Yönetimi ve Proje Danışmanlığı, Beta Yayınları, İstanbul, 2001,s.186

ARCHIBALD,R.D., **Managing High Technology Programs and Projects**, John Wiley and Sons, Inc., New York, 1976

LOCK.D.,**Project Management**, (2nd. End), Gower Pres,1977. s. X1.

PATIR, Sait; **Çağdaş Yönetim Anlayışında Üretim Yönetimi**, Öz Serhat Yayınları,2015,S.115,Malatya

PATIR, Sait; Faktör Analizi ile Öğretim Üyesi Değerleme Çalışması, Atatürk Üniversitesi İktisadi ve İdari Bilimler Dergisi, Cilt: 23, Sayı: 4, 2009,s.71.

SPINNER.M.P., **Project Management:Principles and Practices**, Prentice- Hall, New Jersey, USA, 1997, s. 4

WILLIAM J. STEVENSON, **Production/Operations Management**, RICHARD D. INC., 1993, s.776

VLELAND D.I. & King W.R., **Systems Analysis and Project Management**, Van Nostrand Reinhold, New York, 1983, s