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Judul jurnal	: The work productivity of non military Nurses trough the work ethos in navy hospital Dr. Ramelan using structural equation modeling

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Unique	Each organization will have a different working climate	-
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1 results	Corresponding author: Setiadi, High School Health Science Hang Tuah, Surabaya	textroad.com
Unique	The research states that the work ethos provides better performance and a better satisfaction	-
Unique	LITERATURE STUDYThe validity of the measure of what should be measured	-
Unique	The validity of the testing done by the parameters of the measurement model	-
Unique	Reliability is the consistency of a measurement	-
Unique	So the structural equation model as follows [16]	-
Unique	FML log tr[S1 log S p q(5)]	-
Unique	CFA used test the validity of a change theoretically [18][19]	-
Unique	Sounding parameters, hypothesis testing and model in SEM used maximum likelihood, T-test and chi-square	-
Unique	The framework of the concept as follows	-
Unique	The results are presented in detail in the following table	-
Unique	Normalitas from data is one of the conditions in the modeling of SEM	-

Unique	So not directly all the latent variable no multicollinearity	-
Unique	The analysis with the form of the path diagram of as follows	-
2 results	From the appropriate model, so it can be in interprets each path coefficient	textroad.com textroad.com
Unique	The Work discipline (X2) have positive and significant impact on the work ethos (Y1)	-
Unique	The work climate (X1) have positive and significant impact on the work productivity (Y2)	-
Unique	Work discipline (X2) have positive and significant impact on the productivity of work (Y2)	-
Unique	The work ethos (Y1) have positive and significant impact on the productivity of work (Y2)	-
Unique	Working discipline nurses located in a unit or ward nursing vary	-
Unique	Motivation an Work Behaviour, International Student Edition Second Edition,Singapore: Mc Graw HillZimmamoto	-
Unique	Organisasi theory (integrating structure and behavior)	-
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Unique	Program Pasca Sarjana Keperawatan Universitas Indonesia: Tesis tidak dipublikasikanOsok, (1998)	-
Unique	of relationship work climate, working discipline, work ethos and workforce productivity of non military nurses	-
1 results	The results of the study showed that the model work productivity through the work	textroad.com
Unique	the discipline of the work is a compliance on tops, while on work ethos and	-
Unique	work using the principles of efficient 84.0 percent influenced by the climate of work, working	-
Unique	The work ethos give effect is not directly in the work climate of work	-
Unique	high, then the services in the hospital will be the better and the quality of	-
Unique	to be able to improve the progress of nurses and improve client satisfaction as the	-
Unique	represents the factors in the organization that created the culture and social environment where the	-
Unique	the psychology of the organization that affect the practice and HR policies that received by	-
Unique	For nurses at the Hospital in accordance with the workplace and work climate nurses	-
Unique	aspects of philosophical organisatoris among others, the structure of the organization, responsibility cooperation or coordination,	-

Unique	When these aspects are less attention it will create working conditions that are not	-
Unique	meaningful relationship between the climate of the work with the performance of the executive nurse	-
1 results	While [5], reported no significant relationships between work climate and work discipline in the	textroad.com
Unique	[6] identify that there is a meaningful relationship between the climate of the work	-
Unique	[7] stated that there is a meaningful relationship between the climate of the work	-
Unique	are all good habits that are based on the ethics that must be done to	-
Unique	aspirations, beliefs, the principles and standards that became the basis of the behavior and the	-
Unique	of human beings, both in limited job community as well as in the wider social	-
Unique	With a high work ethos of the company or organization will be able to	-
Unique	especially leader in build and guide his subordinates that can work with the good and	-
Unique	environment that will support the implementation of the tasks that are good and provide	-
Unique	According to [8], stated that 17-18 experiments in an organization shows a positive improvement after	-
Unique	This suggests the importance of the success of an organization that must be supported	-
Unique	The work ethos indeed needs to be owned by everyone so that the life	-
Unique	problem that needs to be noted, for with the existence of discipline, can affect the	-
Unique	achieved results of research in the field indicates that the level of discipline labor nursing	-
1 results	Working discipline nurses at the Regional General Hospital bars indicate nurses executor 50	textroad.com
1 results	This is strengthened by the research [13], also find working discipline nurses commissioning hospital	textroad.com
1 results	work the work ethos and discipline work with workforce productivity nurses non executive military in	textroad.com
Unique	The test statistics used is T-test or when the p-value < α then reject	-
Unique)$2C - R = \sum_{i=1}^n (1 - \sum_{j=1}^n 2\beta_j) + (\delta)_{i=1}^n$ with h_i is the factor	-
Unique	The value of the minimum used to assess CR or is said to have	-
Unique	of y and £, $K_1 (rxq_1)$ and $K_2 (sxq_2)$ is based on the loading, $c_1(rx_1)$	-
Unique	The assumption that must be met that error berdistribusi normal, c_1 and c_2 not	-

Unique	x1) vectors of random exogenous latent variables, T(q1 xq2) is coefesient between y and £.		-
Unique	The estimation of structural model parameters using the Maximum Likelihood method can be formulated as		-
Unique	Sci., 7(2)1-6, 2017METHODOLOGYThe technique of data collection is done by using questionnaires and supported		-
Unique	The population in this research is the whole nurse executive non-military on 25 space		-
Unique	The sample in this research is taken in probability sampling with the technique of		-
Unique	The latent variable that is used is working climate, working discipline, work ethos and		-
Unique	The primary concept that is used in this case is the measurement validity and		-
Unique	The Path Diagram of Model Competency work force productivity NursesPath Diagram on the Figure		-
Unique	+ p13Work ethos + δ2RESULTS AND DISCUSSIONThe measurement of the model consists of a validity		-
Unique	work climate latent variables (X1), work discipline (X2), work ethos (Y1) and work productivity (Y2)		-
Unique	value of C-R above the value of the cut-off his 0.7 it can be said		-
1 results	must be met in the structural modeling is the assumption data of multivariate normal distribution,	textroad.com	
Unique	Critical Ratio (CR) multivariate value of 1.937 and this value is located between -1,96		-
Unique	Singularity can be seen through determinant covariانس matrix and the research results provide the		-
Unique	This value is almost approaching from zeros so that it can be said that		-
Unique	value greater than the Chi-square table or the value of p1 < 0.001 said the		-
Unique	In this research there are three data outlier, but still within the alpha		-
Unique	of the complete model testing in AMOS program in detail can be seen in the		-
Unique	0.900.898Good enoughAGFI□ 0.900.858Good enoughCMIN/df□ 2.000.989GoodTLI□ 0.951.002GoodCFI□ 0.951000GoodBased on the table above shows that 6 (six)		-
Unique	It can be said that the model can be accepted, which means there is		-
Unique	X2 + 0.38 Y1Where:X1 = work climate X2 = work discipline Y1 = work ethosY2		-
Unique	Sci., 7(2)1-6, 2017The path coefficient testing on picture 2 and equality above in detail		-
Unique	The Result Path Coefficient Test of Model Work Productivity through Work EthosThe variablesPath CoefficientCriticalRatio		-

Unique	productivity (Y2)0.3782.4260.015SignificantNote: □ is affectingBased on the Table 3, interpretation of each path coefficient is	-
Unique	with the value CR of 3.573 and obtained the significance probability (p) of 0.000 smaller	-
Unique	of 0.523, which means that every increase in work climate (X1) then will raise the	-
Unique	with the value CR of 3.248 and obtained the significance probability (p) of 0.001 smaller	-
Unique	0.403, which means that every increase in the discipline of work (X2) then will raise	-
Unique	with the value CR of 2.078 and obtained the significance probability (p) of 0.038 smaller	-
Unique	means that every increase in the work climate (X1) then will increase the work productivity	-
Unique	with the value CR of 2.632 and obtained the significance probability (P) of 0.008 smaller	-
Unique	which means that every increase in the discipline of work (X2) then will increase the	-
Unique	This can be seen from the path marked by the positive coefficient of 0.378	-
Unique	R of 2.426 and obtained the significance probability (P) of 0.015 smaller than equal significance	-
Unique	which means that every increase in the work ethos (Y1) then will increase the productivity	-
Unique	It is said that with the often not discipline human resources then target job completion	-
Unique	There was a nurse diligent and diligent in the work so that it is	-
Unique	On the contrary there was also a nurse lazy and lack good working ethos	-
Unique	through the work ethos is the model fit and the indicator on the work climate,	-
Unique	work using the principles of efficient 84.0 percent influenced by the climate of work, working	-
Unique	Analisis hubungan antara iklim kerja dengan kinerja perawat pelaksana di rumah sakit umum pusat	-
Unique	Analisis hubungan iklim kerja dengan disiplin kerja di rumah sakit daerah Banyumas,Program Pasca Sarjana	-
Unique	ruang rawat inap rumah sakit umum daerah Ciamis, Program pasca sarjana Kepeawatan Universitas Indoensia	-
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Unique	Confirmatory Factor Analysis on Organization Reputation, Strategic Leadership, and Organization Culture as a Resources-Based	-
Unique	Hubungan antara Iklim Kerja dan Motivasi Kerja dengan Waktu produktivitas kerja di Rumah Sakit	-

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The Work Productivity of Non-Military Nurses through the Work Ethos in Navy Hospital Dr Ramelan Using Structural Equation Modeling Setiadi1*, Bambang Widjanarko Otok2, Dya Sustarni 11 High School Health Science Hang Tuah, Surabaya2 Laboratory of Environmental and Health Statistic, 'Sepuluh Nopember' Institute of Technology (ITS), Surabaya Received: October 24, 2016 Accepted: January 3, 2017 ABSTRACT The purpose of this research is to examine the patterns of relationship work climate, working discipline, work ethos and workforce productivity of non military nurses in navy hospital (RSAL) Dr RAMELAN using Structural Equation Modeling (SEM). **The results of the study showed that the model work productivity through the work ethos is the model fit.** Other bureaucratic dimension is the dominant indicators on the climate of the work on the discipline of the work is a compliance on tops, while on work ethos and productivity of each work is the actualisation of themselves and efficient. The work ethos with the indicator as the actualisation (78.8%), call (74.2%) and acts of worship (72.6%) was influenced by the climate of the work and discipline of work, while the work productivity is seen from the measurement obtained that working with academic ability and skills development (efficacy) 82.2%, who works with the principle of effectiveness 76.5% and that work using the principles of efficient 84.0 percent influenced by the climate of work, working discipline and work ethic. The work ethos give effect is not directly in the work climate of work productivity. **KEYWORDS:** SEM, productivity, work ethos, working climate, working discipline INTRODUCTION Productivity is the purpose of each type of organization including the services nursing, with the productivity of the work of a nurse high, then the services in the hospital will be the better and the quality of health services can be improved. Labor productivity improvements intended to enlarge the benefits in the organization of nursing includes to be able to improve the progress of nurses and improve client satisfaction as the recipient of nursing services. According to [1], stated that the climate of the work is the internal environment that represents the factors in the organization that created the culture and social environment where the activities of the achievement of the purpose of progress. While [2], stated that the climate of the work is the internal environment or the psychology of the organization that affect the practice and HR policies that received by members of the organization. Each organization will have a different working climate. For nurses at the Hospital in accordance with the workplace and work climate nurses in workroom him hospitalized patients and outpatients. According to [3], explained that in the effort to empower the labor nursing, needed some aspects of philosophical organisatoris among others, the structure of the organization, responsibility cooperation or coordination, standard performance and regional autonomy nurses. When these aspects are less attention it will create working conditions that are not conducive which in the end will reduce the productivity of the work of employee. Some research on climate change jobs have been done [4], reported that there is a meaningful relationship between the climate of the work with the performance of the executive nurse in general hospital center of Adam Malik Medan. **While [5], reported no significant relationships between work climate and work discipline in the** Banyuwangi district hospital. [6] identify that there is a meaningful relationship between the climate of the work with job satisfaction in the hospital Center Police Raden Said Sukanto Jakarta. [7] stated that there is a meaningful relationship between the climate of the work with job satisfaction nurses non civil servants in hospitalization space regional general hospital Ciamis. Other supporting factor in increasing the productivity of work is a work ethos. According to [8], work ethos is defined as the behavior of the ethical work that became fashionable berporoskan work ethics or in other words the more simple, work ethos are all good habits that are based on the ethics that must be done to standstill work. The work ethos in the organization, includes the motivation that move, the main characteristics of the spirit basis, basic mind, code of ethics, moral code, behavior code, attitudes, the public aspirations, beliefs, the principles and standards that became the basis of the behavior and the values that adopted the individuals human beings in the organization or its social context [9]. ***Corresponding author: Setiadi, High School Health Science Hang Tuah, Surabaya.** Email: setadi@yahoo.com Setiadi et al., 2017 The work ethos is an important part of the success of human beings, both in limited job community as well as in the wider social environment. With a high work ethos of the company or organization will be able to increase productivity as expected. Increased work ethos in the organization is the duty and responsibility of all layers, especially leader in build and guide his subordinates that can work with the good and right according to the tasks and their respective functions. With a good working ethos and it will be created a working atmosphere conducive environment that will support the implementation of all tasks that are good and provide a high level of productivity [10]. According to [8], stated that 17-18 experiments in an organization shows a positive improvement after the work ethos. The research states that the work ethos provides better performance and a better satisfaction. This suggests the importance of the success of an organization that must be supported by the work ethos is high. The work ethos indeed needs to be owned by everyone so that the life of the organization can be safely, orderly and smoothly [11]. According to [12], stated that the problem of discipline of the work is a problem that needs to be noted, for with the existence of discipline, can affect the effectiveness and efficiency in the achievement of the purpose of the organization. Discipline is a function of the operative management of human resources is most important because the better discipline work will be the higher the achievements of work that can be achieved results of research in the field indicates that the level of discipline labor nursing in implementing nursing nursing hospital optimal yet. **Working discipline nurses at the Regional General Hospital bars indicate nurses executor 50 % disciplined working and 50 % disciplined work still good enough. This is strengthened by the research [13], also find working discipline nurses commissioning hospital** Islam Samarinda have high discipline 49.5% and low 50.5%. The method used will be used in studying the relationship between the climate of the **work the work ethos and discipline work with workforce productivity nurses non executive military** in RSAL Dr Ramelan Surabaya is Structural Equation Modeling (SEM) [14] [15]. **LITERATURE STUDY** The validity of the measure of what should be measured. The validity of the testing done by the parameters of the measurement model. The test statistics used is T-test or when the p-value < α then reject H0 which means valid indicator. Reliability is the consistency of a measurement. To measure the reliability can be used composite reliability (C-R) as follows [15] $\frac{\sum \lambda_i^2}{\sum \lambda_i^2 + \sum \delta_i^2}$ where λ_i is the factor loading for each change or latent variable and δ_i is error variance for each measurement. Value of the minimum used to assess CR or is said to have good reliability for a latent exchangeable was 0.70. According to Lee [16], in Confirmatory Factor Analysis (CFA) Models, the relationship between the latent variables can be estimated based covariance on the following equation from: $x_1 = \Lambda_1 \eta + \epsilon_1$ (2) $x_2 = \Lambda_2 \eta + \epsilon_2$ (3) with $x_1(x_1)$ and $x_2(x_2)$ is vectors of random variables which are indicators of η and ϵ . K_1 (rx_1) and K_2 (sx_2) is based on the loading, $c_1(x_1)$ and $c_2(x_2)$ is vectors of random error. The assumption that must be met that error berdistribusi normal, c_1 and c_2 not correlates with η , ϵ and δ . So the structural equation model as follows [16], $y = \Gamma \eta + \delta$ (4) with y ($q_1 \times 1$) is vectors of random exogenous latent variable, and ϵ ($q_2 \times 1$) vectors of random exogenous latent variables. Λ ($q_1 \times q_2$) is coefesien between η and ϵ , δ ($q_1 \times 1$) is vectors random error. The estimation of structural model parameters using the Maximum Likelihood method can be formulated as follows [14] [16]. FML $\log \text{likelihood} = \log \text{tr}(\Sigma^{-1} S) - \frac{1}{2} (\text{tr}(\Sigma^{-1} S) + \text{tr}(\Sigma^{-1} S))$. Appl. Environ. Biol. Sci., 7(2)-1-6, 2017 **METHOD** The technique of data collection is done by using questionnaire and supported by observation. The population in this research is the whole nurse executive non-military on 25 space hospitalized in Hospital Dr Ramelan Surabaya. The sample in this research is taken in probability sampling with the technique of systematic random sampling [17]. The latent variable that is used is working climate, working discipline, work ethos and productivity. CFA used test the validity of a change theoretically [18] [19]. The primary concept that is used in this case is the measurement validity and reliability. Sounding parameters, hypothesis testing and model in SEM used maximum likelihood, T-test and chi-square. The framework of the concept as follows. Figure 1. The Path Diagram of Model Concept work force productivity Nurses Path Diagram on the Figure 1. above can be converted into structural model as follows : Work ethos = y_1 Work Climate + y_2 Work Discipline + δ_1 Work productivity = y_2 Work Climate + y_2 Work Discipline + β_3 Work ethos + δ_2 RESULTS AND DISCUSSION The measurement of the model consists of a validity and reliability test. The results are presented in detail in the following table. Table 1. Validity and reliability Test of the indicators on the latent Variable Variables Indicators Validity Reliability Loading η p-value Error variance p-value Composite Reliability (C-R) Work climate Psychological (X1.1). 6770.000.1660.0000.802(X1) Structural (X1.2). 5670.000.2530.0000.301(X1.3). 6490.000.3100.0000.000.896(X1.4). 9210.000.0640.045 Working time (X2.1). 7840.000.2440.0000.895 discipline (X2) rules (X2.2). 8480.000.1520.0000.000 working standards (X2.3). 7800.000.1940.0000.000 against the supervisor (X2.4). 8830.000.1180.000 Work ethos thosmercy (Y1.1). 5180.000.3510.0000.798(Y1) mandate (Y1.2). 5230.000.1780.000 call (Y1.3). 7420.000.2060.0000.000 actualisation (Y1.4). 7880.000.1530.0000.000 Acts of worship (Y1.5). 7260.000.1900.001 Work Efficacy (Y2.1). 8220.000.1740.000.851 productivity effectiveness (Y2.2). 7650.000.1900.000(Y2) efficiency (Y2.3). 8400.000.1240.000 Setiadi et al., 2017 Table 1 shows the value of loading factor worth more than 0.5 and p-value < 0.05 each indicator on the work climate latent variables (X1), work discipline (X2), work ethos (Y1) and work productivity (Y2) then all said indicator is valid and significant in forming the latent variable. While for reliability, Table 1 also shows that all the latent variable gives the value of C-R above the value of the cut-off his 0.7 it can be said all the latent variable reliable. After the validity test and reliability on each of the latent variable, some prerequisites that **must be met in the structural modeling is the assumption data of multivariate normal distribution**, non multicollinearity, non singularity and non outlier. Normalitas from data is one of the conditions in the modeling of SEM. Critical Ratio (CR) multivariate value of 1.937 and this value is located between -1.96 until 1.96, so that it can be said that the data normal multivariate distribution. Singularity can be seen through determinant covariances matrix and the research results provide the value of 0.006048. This value is almost approaching from zeros so that it can be said that there had been problems on the data analyzed. So not directly all the latent variable non multicollinearity. Outlier is the observation that appears with extreme values in both multivariate univariate, Mahalanobis value greater than the Chi-square table or the value of $p_1 < 0.001$ said the observation that outlier. In this research there are three data outlier, but still within the alpha 5 percent, then can still was not an outlier. The analysis with the form of the path diagram of as follows. Figure 2. The Relationship of the Work discipline and Climate with productivity through Work Ethos The results of the complete model testing in AMOS program in detail can be seen in the following table: Table 2. The results of Goodness of Fit test of the Model Work Productivity The criteria Cut - Off Value Calculation results Description Chi - Squared it is expected that small 96.96 [2] with df 98 is 122.108 Good Prob [2] 0.050 510 Good RMSEA [1] 0.080 000 Good GFI [1] 0.900 898 Good enough AGFI [1] 0.900 858 Good enough CMIN/df [1] 2.000 989 Good Model Fit [1] 0.951 002 Good CFI [1] 0.951 000 Good based on the table above shows that 6 (six) criteria used to assess worthy or not a good model it states. It can be said that the model can be accepted, which means there is a similarity between the model with data. **From the appropriate model, so it can be in interprets each path coefficient.** The path coefficient is the hypothesis in this research that can be performed in the following structural equation: $Y_1 = 0.52 X_1 + 0.40 X_2 Y_2 = 0.26 X_1 + 0.30 X_2 + 0.38 Y_1$ Where: X_1 = work climate X_2 = work discipline Y_1 = work ethos Y_2 = work productivity. Appl. Environ. Biol. Sci., 7(2)-1-6, 2017 The path coefficient testing on picture 2 and equality above in detail is presented in the following table: Table 3. The Result Path Coefficient Test of Model Work Productivity through Work Ethos The variables Path Coefficient Critical Ratio (CR) Prob. (p) Description Work climate (X1) \square work ethos (Y1) 0.5233.5730.000 Significant Work discipline (X2) \square work ethos (Y1) 0.4033.2480.001 Significant Work climate (X1) \square work productivity (Y2) 0.2972.0780.038 Significant Work discipline (X2) \square work productivity (Y2) 0.2602.6320.008 Significant Work ethos (Y1) \square work productivity (Y2) 0.3782.4260.015 Significant Note: \square is affecting Based on the Table 3, interpretation of each path coefficient is as follows: The work climate (X1) have positive and significant impact on the work ethos (Y1). This can be seen from the path marked by the positive coefficient of 0.523 with the value CR of 3.573 and obtained the significance probability (p) of 0.000 smaller than equal significance (\square) determined by 0.05. Thus show that the work climate (X1) directly impact on the work ethos (Y1) of 0.523, which means that every increase in work climate (X1) then will raise the work ethos (Y1) of 0.523. The Work discipline (X2) have positive and significant impact on the work ethos (Y1). This can be seen from the path marked by the positive coefficient of 0.403 with the value CR of 3.248 and obtained the significance probability (p) of 0.001 smaller than equal significance (\square) determined by 0.05. Thus the discipline of work (X2) directly impact on the work ethos (Y1) of 0.403, which means that every increase in the discipline of work (X2) then will raise the work ethos (Y1) of 0.403. The work climate (X1) have positive and significant impact on the work productivity (Y2). This can be seen from the path marked by the positive coefficient of 0.297 with the value CR of 2.078 and obtained the significance probability (p) of 0.038 smaller than equal significance (\square) determined by 0.05. Thus the work climate (X1) then will increase the work productivity (Y2) of 0.297. Work discipline (X2) have positive and significant impact on the productivity of work (Y2). This can be seen from the path marked by the positive coefficient of 0.260 with the value CR of 2.632 and obtained the significance probability (P) of 0.008 smaller than equal significance (\square) determined by 0.05. Thus the work discipline (X2) directly impact on productivity of work (Y2) of 0.260, which means that every increase in the discipline of work (X2) then will increase the productivity of work (Y2) of 0.260. The work ethos (Y1) have positive and significant impact on the productivity of work (Y2). This can be seen from the path marked by the positive coefficient of 0.378 with the value C.R of 2.426 and obtained the significance probability (P) of 0.015 smaller than equal significance (\square) determined by 0.05. Thus the work ethos (Y1) directly impact on productivity of work (Y2) of 0.378, which means that every increase in the work ethos (Y1) then will increase the productivity of work (Y2) of 0.378. It is said that with the often not discipline human resources then target job completion never achieved that in turn affect the productivity of the work of the organization. Working discipline nurses located in a unit or ward nursing vary. There was a nurse diligent and diligent in the work so that it is very productive and have high ability in completing tasks and responsibilities in providing nursing nursing. On the contrary there was also a nurse lazy and lack good working ethos so that productivity is low. **CONCLUSION** The results of the study showed with the approach of SEM that productivity model work through the work ethos is the model fit and the indicator on the work climate, working discipline, work ethos and workforce productivity is valid and reliable. The work ethos with the indicator as the actualisation (78.8%), call (74.2%) and acts of worship (72.6%) was influenced by the climate of the work and discipline of work, while the workforce productivity is seen from the measurement obtained that working with academic ability and skills development (efficacy) 82.2%, who works with the principle of effectiveness 76.5% and that work using the principles of efficient 84.0 percent influenced by the climate of work, working discipline and work ethic. REFERENCES Steers and Porter. (1991). 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