

Impact of Intellectual Capital on Work Performance of University Teachers: The Intermediary Role of Intra Organization Trust

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Abstract

Intellectual capital (INC) is an important source for organizations to create value and gain sustainable competitive advantage. Intra organization trust (IOT) can maintain a good atmosphere within the organization, and ensure the harmony of work relationships. From the perspective of university management, how to efficiently allocate resources such as intellectual capital and intra organization trust is an important topic for university management in the era of knowledge economy. This paper uses a combination of quantitative and qualitative research methods, taking universities in Henan Province as an example, and finds that intellectual capital has a significant positive impact on the intra organization trust and the work performance of university teachers (WPT); intra organization trust has a significant positive impact on the performance of university teachers; when intellectual capital affects the work performance of university teachers, intra organization trust plays an intermediary role.

Keywords

Intellectual Capital, University Teachers, Work Performance, Intra Organization Trust

1. Introduction

The theory of intellectual capital (INC) originated from the study of economic value in educational theory (Schultz, 1961). In the era of knowledge economy, INC is intellectual materials such as knowledge, experience and information that can be used to create wealth, and it is the driving force of organizational development.

Trust is a kind of social capital that can gather capital to develop the economy (Fukuyama, 2001). Intra organization trust (IOT) conforms to the emotional needs of people proposed in the Maslow's hierarchical theory of needs (Liu, 2017). It can increase interpersonal communication, reduce transaction costs, and improve the economic efficiency of the enterprise and the entire society (Ai, 2015).

Education is the fundamental way to improve the quality of the people and promote the overall development of people. Higher education undertakes the major tasks of cultivating senior specialized talents, developing science, technology and culture, and promoting socialist modernization. In the overall competitiveness ranking of China's undergraduate universities in 2020, in Henan Province, only Zhengzhou University and Henan University ranked within the top 100. The fact that the comprehensive strength of the universities in the province is not strong cannot be ignored.

In order to meet the needs of students, pursue excellent teaching quality and enhance the competitiveness of higher education in Henan Province, we should attach importance to work performance of university teachers (WPT), and enhance the comprehensive competition level of universities. Taking universities in Henan province as an example, this paper studies the influence of INC on WPT by taking IOT as an intermediary variable, so as to explore ways to improve WPT in Henan Province.

The frame diagram of this research formed after sorting out various documents, as shown in **Figure 1**.

According to the structural frame diagram, the following hypotheses are proposed:

- 1) INC has significant a positive and direct influence on WPT.
- 2) INC has significant a positive and direct influence on IOT.
- 3) IOT has significant a positive and direct influence on WPT.

4) INC has significant a positive and indirect influence on WPT through IOT.





2. Literature Review

2.1. Intellectual Capital

For the study of the connotation of INC, scholars mainly define it from three perspectives: 1) INC is an intangible asset (Itami & Roehl, 1991; Khalique et al., 2015). 2) INC is the sum of knowledge, skills and experience (Chen & Lin, 2001; Liu et al., 2018). 3) INC creates higher value through competition and innovation (Klein & Prusak, 1994; Ji, 2019).

The connotation of university INC is obviously different from that of corporate INC: 1) The connection between universities and the outside world is a non-profit social relationship; 2) University INC covers a wide range of contents, including scientific research achievements, intellectual property rights and new knowledge formed by the continuous integration of knowledge caused by the intersections of different disciplines (Wu & Li, 2007).

Therefore, this paper believes that the university INC is the rich educational resources, cultural concepts and scientific research achievements owned by universities, and it is an intangible resource that can create value for them, which will help universities to realize the three major functions, the cultivation of talents, development of science and technology, and service to society, and bring sustainable competitive advantages (Zhang, 2009; Hu, 2018).

In the research on the formation of university INC, the three-dimension is recognized and widely used by most scholars, which is composed of human capital, structural capital, and relational capital (Zhang, 2009; Quan, 2018). These three elements essentially explain the essential characteristics of university INC. Therefore, this paper chooses to study the relationship between INC and university teachers' performance from these three dimensions.

In university INC, human capital is the core, including teachers' health, knowledge, technology, attitudes and abilities. It is the main reason for the performance of universities and plays a leading role in the process of value creation (Xu et al., 2010); structural capital is the platform foundation for achieving university performance, including management methods, system culture, facility construction and discipline construction, and creates conditions for human capital to play a role (Quan, 2018); relational capital is the key for universities to obtain social value, including academic reputation, social popularity, and the relationship between stakeholders (Wang, 2006).

2.2. Intra Organization Trust

Scholars have put forward different views on the connotation of IOT from different angles: 1) Essential perspective. IOT is a firm belief and a willingness to carry risks. The organization or internal individuals must be honest, reliable, and have common goals and beliefs (Cummings & Bromiley, 1996; Peng, 1999). 2) Behavioral perspective.

IOT is the trust that members trust in each other, the leadership, and the organization as a whole through interaction (Nyhan & Marlowe, 1997; Liu, 2017). 3) Angle of action. IOT can motivate staff to improve work attitude, improve work performance and promote organizational development (Bryk & Schneider, 2002; Cui, 2014).

Therefore, this paper believes that IOT refers to the firm belief of organization members not to obtain additional benefits, which is manifested in the dependence of employees on the organization, leadership and colleagues, and contributes to the improvement of work efficiency, the development of the organization and the advancement of the reform (Cummings & Bromiley, 1996; Bryk & Schneider, 2002).

Currently, due to different research fields, scholars have different dimensions of IOT. But what most scholars recognize is the three-dimensional division method of organization (university, enterprise) trust, boss (leadership, supervisor) trust, and colleague trust (Kuang & Ling, 2009; Ge, 2015). Therefore, this paper conducts research on this subject from the three dimensions of university trust, leadership trust and colleague trust.

Summarizing the previous researches on the dimensions of IOT and combining the characteristics of universities, this paper holds that the concepts of the three dimensions of IOT are: university trust is the overall trust of teachers in some regulations and policies formulated by universities regarding teachers; leadership trust means that teachers believe in the ability of leaders, that they can make correct decisions and other good qualities; colleague trust means that teachers are willing to believe that colleagues will sincerely help them solve their work problems and overcome work difficulties together (Ge, 2015).

2.3. Work Performance

This paper conducts research on teachers' personal work performance, and summarizes previous studies on work performance concepts from three perspectives: 1) The final result of the work. Work performance is the completion of work functions and other labor or work behaviors specified in the job description, emphasizing the number of work and the value and quality of work contributions (Bernardin & Beatty, 1984; Yang et al., 2000). 2) A kind of behavior. Work performance is the sum of quantifiable behaviors shown by an individual when achieving goals. It attaches importance to the process by which employees complete the work, rather than the result (Bates & Holton III, 1995; Hou et al., 2014). 3) Comprehensive manifestation of results and behavior. Work performance is the unity of work behavior, process, and results. It is a complex of behaviors and results closely related to organizational strategic goals (Borman & Motowidlo, 1997).

Based on the viewpoints of the above scholars, combined with the three major functions of universities, this article believes that WPT refers to the quality and quantity of the individual's completion of teaching, scientific research, service to the society and other related work, as well as the behavioral performance that is beneficial to the development of the school (Liao et al., 2016; Ma et al., 2017).

As for the division of the dimensions of work performance, scholars divided work performance of different occupations into task performance and relationship performance (Wu et al., 2006; Li, 2019). In today's new era of deepening reforms in higher education, for universities to develop, they must have breakthroughs and innovations. Therefore, innovation has become a driving force for the sustainable development of universities. In order to satisfy the three major functions of universities, this paper divides the performance of university teachers into task performance, relationship performance and innovation performance.

In universities, teachers' task performance is the result or behavior that teachers make contributions to the university by using their knowledge and technology to complete teaching and scientific research tasks and responsibilities, including job responsibilities, teaching quality and scientific research achievements (Liao et al., 2016; Wu et al., 2006). Teachers' relationship performance refers to the behavior and process in which teachers indirectly contribute to the university or society through their support for psychological, university and social background, which is mainly manifested in individual self-discipline, teacher-student interaction and teamwork (Ma et al., 2017). Teachers' innovation performance refers to the behaviors that teachers care about the development of their subject, engage in scientific research and guide students to innovate (Ma et al., 2017).

3. Methodology

This research focuses on quantitative analysis, supplemented by qualitative analysis. The researcher collects qualitative data using focus-groups from 24 teachers who are currently teaching at universities in Henan Province, and divides the participants into three groups of 8 each. The subject of quantitative research is limited to full-time teachers in universities in Henan Province. According to statistics released by the Ministry of Education of the People's Republic of China in 2020, there are 124,547 full-time teachers in universities in Henan Province. According to Yamane's calculation of the sample size, this article randomly selected 400 full-time teachers from them for investigation.

In order that the selection of sample units is not affected by the subjective factors of the investigator and other systemic factors, the influence of people's subjective consciousness is completely excluded, so that each unit in the population has the same chance of being selected. The selection is pure It was accidental. The principle of randomness is the basic principle that must be followed in random sampling. In this statistical sampling survey, the random principle is strictly adhered to.

The semi-structured interview outline and questionnaire in this research are designed on the basis of literature and scholars' practice. Therefore, the scientificity, feasibility, and objectivity of the research method are ensured, which is an important theoretical basis for the study of this article. Through the open coding of the interview records of 24 full-time university teachers, and the core items related to INC, IOT and WPT were obtained by thematic analysis method. Combined with the previous researches on these three measurement indicators, this paper selects the empirical indicators of different scholars and practitioners, and finally determines the evaluation scale suitable for this research according to the characteristics of the university itself.

4. Finding

4.1. Reliability and Validity Analysis

As mentioned before, the semi-structured interview outline and questionnaire in this research are designed on the basis of literature and scholars' practice. Therefore, the scientificity, feasibility, and objectivity of the research method are ensured, which is an important theoretical basis for the study of this article. This study uses the Cronbach Alpha coefficient method to analyze the reliability of the collected sample data. From **Table 1**, it can be known that the Cronbach α value of all research variables reached more than 0.8, indicating that the measurement data has a high degree of reliability, and the measurement results are more consistent and stable.

In order to ensure the validity of the questionnaire design, five experts were selected to evaluate the content design of the questionnaire. Through item objective congruence, the IOC was calculated to be greater than 0.7 (Table 2).

4.2. Difference Test

T-test analyzed the difference of gender, and the default significance level of the difference test is 0.05. The results are shown in the following **Table 3**: gender of the sample has no significant difference in IOT (P > 0.05), but has significant difference in INC (P = 0.001 < 0.05) and WPT (P = 0.009 < 0.05).

Scale	Number of items	Cronbach Alpha
Human Capital	6	0.962
Structural Capital	6	0.870
Relational Capital	6	0.934
University Trust	6	0.896
Leadership Trust	6	0.838
Colleagues Trust	6	0.810
Task Performance	6	0.817
Relationship Performance	6	0.828
Innovation Performance	6	0.808
Intellectual Capital	18	0.979
Intra Organization Trust	18	0.909
Work Performance of University Teachers	18	0.823

Table 1. Reliability test results.

In addition, one-way ANOVA was used to analyze whether age, education level, job position level, and work experience had significant differences in variables such as INC, IOT and WPT.

From **Table 4**, age of the sample has significant differences in INC (P = 0.000 < 0.05), IOT (P = 0.002 < 0.05), and WPT (P = 0.016 < 0.05).

From **Table 5**, education level of the sample has no significant difference in WPT (P = 0.534 > 0.05), but has significant differences in INC (P = 0.000 < 0.05), and IOT (P = 0.008 < 0.05).

From **Table 6**, job position level of the sample has no significant differences in INC, IOT and WPT (P > 0.05).

From **Table 7**, work experience of the sample are significant differences in INC (P = 0.000 < 0.05), IOT (P = 0.001 < 0.05), and WPT (P = 0.010 < 0.05).

Through the test results can be known, gender, age, education level, job position level, and work experience of research variables all have some or all significant differences on the study variables. In the subsequent regression analysis of this paper, they are used as control variables to exclude the influence of non-study variables.

Table 2. Validity test results.

Experts	Item Objective Congruence
Expert 1	0.852
Expert 2	0.815
Expert 3	0.926
Expert 4	0.907
Expert 5	0.889

Table 3. Independent sample t-test results by gender.

	Gender (Mean	± Std. Deviation)		
	Male (N = 195)	Female (N = 205)	- l	Р
INC	3.39 ± 0.62	3.60 ± 0.64	-3.313	0.001**
IOT	3.83 ± 0.58	3.90 ± 0.60	-1.268	0.206
WPT	3.98 ± 0.47	4.11 ± 0.53	-2.636	0.009**

***p* < 0.01.

Table 4. One-way ANOVA results by age.

	F	n				
	20 - 30 (n = 111)	31 - 40 (n = 168)	41 - 50 (n = 98)	50+ (n = 23)	Г	p
INC	3.84 ± 0.64	3.34 ± 0.61	3.37 ± 0.58	3.57 ± 0.45	17.103	0.000**
IOT	4.04 ± 0.63	3.77 ± 0.58	3.82 ± 0.57	3.88 ± 0.36	5.021	0.002**
WPT	4.15 ± 0.57	3.98 ± 0.46	4.01 ± 0.45	4.20 ± 0.56	3.496	0.016*

p < 0.05; p < 0.01.

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		Education Level (Me	an ± Std. Deviation)			
	Lower than Bachelor Degrees (n = 5)	Bachelor Degrees (n = 90)	Master Degrees (n = 194)	Higher than Masters Degrees (n = 111)	F	р
INC	3.98 ± 0.78	3.87 ± 0.59	3.45 ± 0.59	3.27 ± 0.63	18.565	0.000**
IOT	4.10 ± 0.87	4.02 ± 0.56	3.86 ± 0.58	3.74 ± 0.60	3.978	0.008**
WPT	4.03 ± 0.71	4.11 ± 0.56	4.04 ± 0.51	4.01 ± 0.42	0.731	0.534

Table 5. One-way ANOVA results by education level.

**p < 0.01.

Table 6. One-way ANOVA results by job position level.

_	Operating (n = 202)	Management (n = 123)	Middle Management (n = 63)	Top Management (n = 12)	F	р
INC	3.52 ± 0.61	3.41 ± 0.68	3.59 ± 0.64	3.71 ± 0.70	1.788	0.149
IOT	3.85 ± 0.60	3.83 ± 0.58	4.01 ± 0.58	3.84 ± 0.61	1.549	0.201
WPT	4.02 ± 0.51	4.05 ± 0.50	4.12 ± 0.49	4.10 ± 0.51	0.610	0.609

Table 7. One-way ANOVA results by work experience.

		Work Experience (Mean ± Std. Deviation)							
	1 - 5 (n = 125)	6 - 10 (n = 92)	11 - 15 (n = 80)	16 - 20 (n = 59)	21+ (n = 44)	Г	Р		
INC	3.79 ± 0.65	3.33 ± 0.63	3.36 ± 0.63	3.42 ± 0.56	3.39 ± 0.48	10.193	0.000**		
IOT	4.04 ± 0.63	3.75 ± 0.56	3.76 ± 0.63	3.86 ± 0.55	3.82 ± 0.41	4.551	0.001**		
WPT	4.13 ± 0.57	3.96 ± 0.49	3.98 ± 0.48	3.97 ± 0.40	4.20 ± 0.43	3.358	0.010**		

***p* < 0.01.

4.3. Correlation Analysis

Correlation analysis preliminarily predicts whether the relationship between variables is consistent with the hypotheses of this study, and Pearson correlation coefficient represents the strength of the correlation.

A specific analysis of the data in **Table 8** shows that there is a positive correlation between INC and WPT (r = 0.463, p < 0.01), which provides preliminary evidence for H₁; there is a positive correlation between INC and IOT (r = 0.769, p < 0.01), which provides preliminary evidence for H₂; there is a positive correlation between IOT and WPT (r = 0.621, p < 0.01), which is H₃ provided preliminary evidence.

4.4. Regression Analysis

In this paper, the multivariate linear regression analysis method is used to analyze the causal relationship between variables and verify the relevant hypotheses. From **Table 9**, Model 1 - 2 adds INC on the basis of Model 1 - 1, the change of F value show significance (p < 0.05), which means that INC has an explanatory meaning for the model. The regression coefficient of INC is 0.393 and shows a significant (t = 10.416, p = 0.000 < 0.01), which means that INC has a significant positive impact on WPT. Therefore, H₁ is established.

From **Table 10**, Model 1 - 4 adds INC on the basis of Model 1 - 3, the change of F value show significance (p < 0.05), which means that INC has an explanatory meaning for the model. The regression coefficient of INC is 0.749 and shows a significant (t = 23.346, p = 0.000 < 0.01), which means that INC has a significant positive impact on IOT. Therefore, H₂ is established.

		INC	IOT	WPT
	Pearson Correlation	1		
INC	Sig. (2-tailed)			
	Ν	400		
	Pearson Correlation	0.769**	1	
IOT	Sig. (2-tailed)	0.000		
	Ν	400	400	
	Pearson Correlation	0.463**	0.621**	1
WPT	Sig. (2-tailed)	0.000	0.000	
	Ν	400	400	400

Table 8. Correlational Analysis Results by INC, IOT, and WPT.

**Correlation is significant at the 0.01 level (2-tailed).

Table 9. Regression analysis results by INC on WPT (N = 400).

		Model	1 - 1			Model	1 - 2	
-	В	Std. Error	t	Р	В	Std. Error	t	Р
Constant	3.820**	0.175	21.807	0.000	2.151**	0.223	9.642	0.000
Gender	0.139*	0.055	2.550	0.011	0.114*	0.049	2.345	0.020
Age	-0.045	0.048	-0.938	0.349	-0.020	0.043	-0.468	0.640
Education Level	-0.013	0.037	-0.348	0.728	0.088**	0.034	2.594	0.010
Job Position	0.066*	0.032	2.064	0.040	0.019	0.029	0.672	0.502
Work Experience	0.013	0.031	0.436	0.663	0.036	0.027	1.336	0.182
INC					0.393**	0.038	10.416	0.000
\mathbb{R}^2		0.02	29			0.23	39	
Adjusted R ²		0.01	17			0.22	28	
F		F (5, 394) = 2.3	92, <i>p</i> = 0.037			F (6, 393) = 20.	618, <i>p</i> = 0.000	
ΔR^2		0.02	29			0.2	10	
ΔF		F (5, 394) = 2.3	992, <i>p</i> = 0.037		F (1, 393) = 108.484, <i>p</i> = 0.000			
Dependent Variable (Y)	: WPT							

p < 0.05; p < 0.01.

		Model	1 - 3		Model 1 - 4				
	В	Std. Error	t	Р	В	Std. Error	t	Р	
Constant	4.228**	0.204	20.724	0.000	1.043**	0.190	5.489	0.000	
Gender	0.013	0.064	0.203	0.839	-0.036	0.041	-0.870	0.385	
Age	-0.029	0.056	-0.515	0.607	0.019	0.037	0.525	0.600	
Education Level	-0.125**	0.043	-2.933	0.004	0.067*	0.029	2.320	0.021	
Job Position	0.095*	0.038	2.536	0.012	0.005	0.025	0.217	0.828	
Work Experience	-0.042	0.036	-1.180	0.239	0.002	0.023	0.080	0.936	
INC					0.749**	0.032	23.346	0.000	
\mathbb{R}^2		0.0	52			0.6	03		
Adjusted R ²		0.04	40			0.5	97		
F		F (5, 394) = 4.3	338, <i>p</i> = 0.001			F (6, 393) = 99.	444, <i>p</i> = 0.000		
ΔR^2		0.0	52		0.551				
ΔF		F (5, 394) = 4.3	338, <i>p</i> = 0.001		F (1, 393) = 545.026, <i>p</i> = 0.000				
Dependent Variable (Y): IOT								

Table 10. Regression analysis results by INC on IOT (N = 400).

p* < 0.05; *p* < 0.01.

From **Table 11**, Model 1 - 6 adds IOT on the basis of Model 1 - 5, the change of F value show significance (p < 0.05), which means that IOT has an explanatory meaning for the model. The regression coefficient of IOT is 0.535 and shows a significant (t = 15.775, p = 0.000 < 0.01), which means that IOT has a significant positive impact on WPT. Therefore, H₃ is established.

4.4. Mediating Test of IOT between INC and WPT

In order to test the mediating effect, there must be significant influence between independent variables and dependent variables.

As can be seen from the above table, INC has a significant impact on IOT and WPT, which meets the conditions for implementing intermediary analysis. There are three models involved in testing the mediating effect of IOT, specifically as follows: 1) Test the regression of INC to IOT (Model 1); 2) Test the regression of INC to WPT (Model 2); 3) Firstly, take INC as the independent variable, and WPT as the dependent variable for regression, and then take INC and IOT as the independent variables, and WPT as the dependent variable for regression (Model 3), and obtain the test result of mediating role.

The test results of the mediating effect model of IOT (**Table 12**), INC (independent variable), IOT (intermediary variable) and WPT (dependent variable) all have significant effects. The addition of IOT (intermediary variable) makes INC (independent variable) have no effect on WPT (dependent variable) (p = 0.710 > 0.05), indicating the mediating role of IOT between INC and WPT.

In addition, this thesis also uses Bootstrap sampling test method to conduct an intermediary role study with a sampling number of 5000, as shown in Table 13,

in terms of the influence of INC on WPT, the intermediary role of IOT is tested, and the 95% interval does not include the number 0 (95%CI: 0.324 - 0.500), which indicates that IOT has an mediating role on INC and WPT. INC will first have an impact on IOT, and then affect WPT through IOT. Therefore, H_4 is established.

Through the empirical analysis of the sample data, the research hypotheses proposed in this paper have been verified. The specific results are shown in **Table 14**.

		Model	1 - 5			Model 1 - 6			
-	В	Std. Error	t	Р	В	Std. Error	t	Р	
Constant	3.820**	0.175	21.807	0.000	1.560**	0.198	7.860	0.000	
Gender	0.139*	0.055	2.550	0.011	0.133**	0.043	3.093	0.002	
Age	-0.045	0.048	-0.938	0.349	-0.030	0.038	-0.788	0.431	
Education Level	-0.013	0.037	-0.348	0.728	0.054	0.029	1.866	0.063	
Job Position	0.066*	0.032	2.064	0.040	0.016	0.025	0.614	0.540	
Work Experience	0.013	0.031	0.436	0.663	0.036	0.024	1.492	0.137	
IOT					0.535**	0.034	15.775	0.000	
R ²		0.02	29		0.406				
Adjusted R ²		0.0	17			0.39	97		
F		F (5, 394) = 2.3	392, <i>p</i> = 0.037			F (6, 393) = 44.	722, <i>p</i> = 0.000		
ΔR^2		0.02	29		0.376				
ΔF		F (5, 394) = 2.3	392, <i>p</i> = 0.037		F (1, 393) = 248.848, <i>p</i> = 0.000				
Dependent Variable (V). WPT								

Table 11. Regression analysis results by IOT on WPT (N = 400).

p* < 0.05; *p* < 0.01.

Table 12. Test Results of the Mediating Effect Model of IOT (N = 400).

		IO	ſ		WPT				WPT			
	В	Std. Error	t	р	В	Std. Error	t	р	В	Std. Error	t	р
Constant	1.043**	0.190	5.489	0.000	2.151**	0.223	9.642	0.000	1.578**	0.205	7.704	0.000
Gender	-0.036	0.041	-0.870	0.385	0.114*	0.049	2.345	0.020	0.134**	0.043	3.107	0.002
Age	0.019	0.037	0.525	0.600	-0.020	0.043	-0.468	0.640	-0.031	0.038	-0.807	0.420
Education Level	0.067*	0.029	2.320	0.021	0.088**	0.034	2.594	0.010	0.051	0.030	1.693	0.091
Job Position	0.005	0.025	0.217	0.828	0.019	0.029	0.672	0.502	0.016	0.026	0.645	0.519
Work Experience	0.002	0.023	0.080	0.936	0.036	0.027	1.336	0.182	0.035	0.024	1.467	0.143
INC	0.749**	0.032	23.346	0.000	0.393**	0.038	10.416	0.000	-0.019	0.052	-0.372	0.710
IOT									0.550**	0.052	10.483	0.000
\mathbb{R}^2	0.603				0.239			0.406				
Adjusted R ²	0.597			0.228			0.395					
F	F (6	5, 393) = 99.	444, <i>p</i> = 0	.000	F (6	F (6, 393) = 20.618, <i>p</i> = 0.000			F (7, 392) = 38.269, <i>p</i> = 0.000			

p < 0.05; p < 0.01.

Table 13. Analysis of indirect effects of IOT.

Item	Effect	Boot SE	BootLLCI	BootULCI	Z	р
$INC \Rightarrow IOT \Rightarrow WPT$	0.412	0.045	0.324	0.500	9.168	0.000

Remarks: BootLLCI refers to the lower 95% interval of Bootstrap sampling, BootULCI refers to the upper 95% interval of Bootstrap sampling.

Table 14. Hypotheses test results.

Hypotheses	Results
H ₁ : INC has significant a positive and direct influence on WPT.	Accepted
H ₂ : INC has significant a positive and direct influence on IOT.	Accepted
H ₃ : IOT has significant a positive and direct influence on WPT.	Accepted
H ₄ : INC has significant a positive and indirect influence on WPT through IOT.	Accepted

5. Conclusion

This paper collects data from 400 full-time teachers from universities in Henan Province as the survey subjects. After excluding the influence of control variables such as gender, age, education level, job position level, and work experience, the following conclusions are drawn: INC can significantly positively affect IOT and WPT; IOT can significantly and positively affect WPT; IOT has an intermediary effect between INC and WPT. This conclusion means that improving the level of university INC would help to enhance IOT and WPT, and the higher IOT, the more helpful it is to improve WPT.

6. Limitations

Although this research has achieved certain results, there are still some limitations in existing theories and data collection:

1) The research on independent variables and intermediate variables has certain limitations. Future research can further explore the influence of other organizational characteristics of universities (such as organizational structure, etc.) on the formation of teacher performance. As the availability of data increases, research can be further deepened in the future to make the use of intermediate variables more reasonable, scientific, and comprehensive.

2) Chinese universities can be divided into different types according to the school-running system, scientific research scale, subject type, etc. This paper does not divide the universities into research by type. Therefore, future research can conduct targeted research on different types of universities, which makes the research results more applicable and operable. By categorizing different types of universities, the research will be more refined, the research conclusions will be more convincing, and the theoretical value and practical significance of the research will be improved.

Conflicts of Interest

The authors declare no conflicts of interest regarding the publication of this paper.

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