

Transitivity of Personification Clauses in The Novel *And The Mountain Echoed* by Khaled Hosseini

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Abstract—This research is about “Transitivity Personification Clauses Found in the Novel *And the Mountain Echoed*”. It applies SFL theory from Halliday that focuses on transitivity specific in personification clauses. The data are taken from novel *And the Mountain Echoed* by Khaled Hosseini. Research method is descriptive qualitative. The data analyses were configured into three phases as suggested by Spradley (2016) namely domain, taxonomy, and componential analysis. The research findings showed that (1) there are three experiential processes of personification clauses found in novel *And the Mountain Echoed*, they are material, mental, and behavioural process. Material and mental processes dominated transitivity personification clauses because subject as inanimate to do thing and move as human being (animate), (2) the participants are Actor, Senser, and Behavior, (3) then, circumstance merely present location place, source, accompaniment, and time, (4) the pattern of transitivity of personification clauses are constructed in simplex and complex clauses. There are eight patterns in simplex clause and there are eleven patterns in complex clause.

Keywords—transitivity; clause; personification; systemic functional linguistic

I. INTRODUCTION

There are three metafunctions of language; they are ideational, interpersonal and textual. These metafunctions have system that influences to grammatical categories especially in transitivity. Transitivity is grammatical system that represents experience and ideational meaning. The experiential expresses reality and the ideational meaning expresses event or happening. There are three constituents in experiential such as process or the event or happening that realized verbal group, participant that realized in nominal group, and circumstance that realized in prepositional phrase. Furthermore, ideational has function to reflecting the reality of participant experience includes the experience of human being (animate) and non human being

(inanimate) as agent who doing activities with circumstance or not. The process in reality is core element of event or happening. Thus, different process is also different participant. Meanwhile, circumstance is optional element rather than obligatory component such as process and participant. The interesting topic about transitivity is the ideational meaning that reflects the experience not only human being (animate) but also non human being or thing (inanimate). The thing (inanimate) that can move and doing activity like human also called personification. Personification is illustrating non human being which can do likes human being (Kridalaksana, 2008, p. 190). Based on review previous studies, there is research gap about the transitivity. The previous researches only focused on clause that applied in literary work such as poem, novel, short story, children story, and naratif text (Sukarno, 2014; Nguyen, 2012; Alaei & Ahangari, 2016; Wulandari, 2016; Dwi, 2010; Cunanan, 2011). Next, transitivity applied in text politic and president oration (Marlia, 2008; Putri, 2009). Then, transitivity applied in advertisement (Paptong, 2009), news (Wachidah, 2010) and discourse (Rafida, 2014). On the other hand, these researches not discuss yet about transitivity applies in clause especially personification. Based on review previous researches, there is a research gaps that can be applied especially in personification clause.

The focus of the research is to find out how the application of transitivity in especially personification clause on the novel. Novel is a long printed story about imaginary character and events. Novel entitled *And the Mountain Echoed* by Khaled Hosseini is his third novel. *The New York Times* said that the third novel of Hosseini is most assured and emotionally gripping story, more fluent and ambitious than *The Kite Runner*, and more narratively complex than *A Thousand Splendid Suns*. According to these reasons, this novel is chosen considering Hosseini as International Bestseller author. As briefly, the purposes of research are:

1. To elaborate form and meaning of the experiential process in personification clause on novel *And the Mountain Echoed* by Khaled Hosseini.
2. To classify form and meaning of participant in personification clause on novel *And the Mountain Echoed* by Khaled Hosseini.
3. To describe form and meaning of circumstance in personification clause on novel *And the Mountain Echoed* by Khaled Hosseini.
4. To design patterns of experiential process, participant and circumstance in personification clause on novel *And the Mountain Echoed* by Khaled Hosseini.

II. LITERATURE REVIEW

Based on Halliday, system of transitivity provides the lexicogrammatical resources for construing a quantum of change in the flow of the events as a figure – as a configuration of elements centred on a process. Processes are construed into a manageable set of process types (Matthiessen, 2014, p. 213). It emphasizes that the system of transitivity builds the activity according to the processes. The transitivity represented as system network (Halliday & Matthiessen, 2004, p. 173). The major process type are material, behavioural, mental, verbal, relational includes attributive and identifying, and the last existential. The participant itself according to the type processes, they are Actor in material process, Behavior in behavioural process, Sensor in mental process, Sayer in verbal process, Carrier and Attribute in relational attributive process, Token and Value in relational identifying process, and Existent in existential process. The criteria for distinguishing process type are based on Halliday & Matthiessen theory (2004, p. 301). The typical experiential function of group and phrase classes as seen in the following:

TABLE I. THE TYPICAL EXPERIENTIAL FUNCTION OF GROUP AND PHRASE CLASSES

Type of element	Typically realized by
Process	Verbal group
Participant	Nominal group
Circumstance	Adverbial group or prepositional phrase

Halliday dan Matthiessen (2004, P. 177)

III. METHOD

This research is qualitative approach with descriptive method. Descriptive method is research method to describe, analyze, and interpret data (Goetz & LeCompte, Strauss & Corbin, in Santosa 2017). The descriptive is applied because data that is used having a form as clause for analysis. The research data were personification clauses found in the novel *And the Mountain Echoed* by Khaled Hosseini. The data analyses were configured into three phases as suggested by Spradley (2016) namely domain, taxonomy, and componential analysis.

IV. RESULT AND DISCUSSION

Examining 40 data personification clauses found in the novel *And the Mountain Echoed* by Khaled Hosseini, the findings indicate that material dominated transitivity personification clauses because subject as inanimate to do thing and move as human being (animate). The following is the result findings and discussion about the transitivity personification clauses found in the novel *And the Mountain Echoed* by Khaled Hosseini. Clause also represents experience common called as ideational meaning or experiential. Basically, experience consists of three constituents, they are process or the event or happening, realized in verbal groups, participants realized in nominal groups, and circumstance realized in nominal groups or prepositional phrase. In English, there are six types of processes: material, mental, verbal, behavioural, relational, and existential processes.

The first case was found transitivity personification clauses in the novel *And the Mountain Echoed* that were experiential processes are material, mental, and behavioural process. The following table showed the result.

TABLE II. EXPERIENTIAL PROCESSES

Process Clause	Material Process	Mental Process	Behavioural Process
Simplex	15	8	1
Complex	12	2	1
Σ	27	10	2

The above table indicates that the material process dominates all processes transitivity in the novel *And the Mountain Echoed*. It emphasizes that personification clause has subject as inanimate can to do thing and move as human being (animate). Material process is process of doing, physical action. There are two types of material process: happening and doing. Happening material process is characterized by the absence of goal, while doing material process is characterized with the presence of goal. The example of data analysis can be seen in the following.

1) Simplex Clause

The jagged rocks ripped his soles (ATME, 2013, P. 7)

TABLE III.

<i>The jagged rocks</i>	<i>ripped</i>	<i>his soles</i>
S	F/P	C
Actor	Material Process	Goal

The situation context is when Baba Ayub came back to Div (a giant) who lived in mountain; he is really regretted because he has given his baby. In the way, he felt the jagged rocks ripped his sole. Actually, *the jagged rocks* is inanimate or thing, but in this situation it is described that *the jagged rocks* is subject and has function as actor like human being that can do something. Then, *ripped* as the predicator and has functioned as material process because doing something. It is categorized as the transitive clause because it is needed the compliment which functions as goal *his sole*.

2) Complex Clause

Maidan sabz trembled and held its breath. (ATME, 2013, P.

4)

TABLE IV. CLAUSE 1

<i>Maidan sabz</i>	<i>Trembled</i>
S	F/P
Actor	Material Process

TABLE V. CLAUSE 2

<i>and</i>	<i>held</i>	<i>its breath</i>
Conj.	F/P	C
	Material Process	Goal

These clauses are categorized as the complex clause because has two processes. The first is *trembled* and the other is *held*. Subject as Actor is *Maidan Sabz*. *Maidan Sabz* is fictive name of village. The condition of its event is trembling and frightening. Meanwhile, the mental processes are in the second position after material process. It indicates that mental process of sensing such as perception, cognition, and affection is applicable in the personification clause. The perception includes perceive, see, notice, observe, feel, smell, taste, hear, etc. Then, cognition as assume, believe, conclude, consider, discover, doubt, etc. Meanwhile, affection such as enjoy, relish, regret, like, fear, dread, favour, love, prefer, etc. The example of data analysis can be described in the following.

3) Simplex Clause

Her head swims with exhaustion (ATME, 2013, p. 53)

TABLE VI.

<i>Her head</i>	<i>swims</i>	<i>with exhaustion</i>
S	F/P	Adj.
Sensor	Mental Process	Cir. Accompaniment

This clause is simplex clause and called as mental process because it sensing of perspective about feeling. Subject *her head* has function as Sensor, predicator *swims* as mental process and adjunct *with exhaustion* as circumstance accompaniment.

4) Complex Clause

Panic seized him, shrivelled up his innards (ATME, 2013, p. 32)

TABLE VII. CLAUSE 1

<i>Panic</i>	<i>Seized</i>	<i>him</i>
S	F/P	C
Sensor	Mental Process	Phenomenon

TABLE VIII. CLAUSE 2

<i>shrivelled up</i>	<i>his innards</i>
F/P	C
Material Process	Phenomenon

These clauses include to complex clause because has two processes. The first clause is *Panic seized him* and the second clause is *shrivelled up his innards*. The mental process is marked in predicator *seized* and *shrivelled up*. The

Senser is *Panic* and the phenomenon is *him* and *his innards*. There are two processes of behavioural process; they are verbal behaviour and mental behaviour. Verbal behaviour such as talk, chat, converse, speak, call, discuss, abuse, flatter, etc. Mental behaviour likes look at, watch, listen to, experience, survey, smile, laugh, cry, memorize, concentrate, mediate, etc. The example of data analysis can be elaborated in the following.

5) Simplex Clause

and the wind whooshes in their ears, (ATME, 2013, p. 72)

TABLE IX.

<i>and</i>	<i>the wind</i>	<i>whooshes</i>	<i>in their ears</i>
Conj.	S	F/P	Adj.
	Behavior	Behavioural Process	Cir.Loc.Place

The above example shows that predicator *whooshes* marked as verbal behavioural because it likes to speak softly. Then, subject *the wind* as Behavior and adjunct *in their ears* as circumstance location of place.

6) Complex Clause

Not the galling kind that draws frogs out to croak, but an indecisive drizzle that had come and gone all morning (ATME, 2013, p. 105)

TABLE X. CLAUSE 1

<i>Not</i>	<i>the galling kind</i>	<i>That [draws frogs out to croak]</i>
F	S	P
	Behavior	Behavioural Process

TABLE XI. CLAUSE 2

<i>but</i>	<i>an indecisive drizzle</i>	<i>That [had come and gone all morning]</i>
Conj.	S	P
	Actor	Material Process

These clauses are complex clause. The first clause is *the galling kind that draws frogs out to croak*, and the second clause is *but an indecisive drizzle that had come and gone all morning*. Subject *the galling kind* as Behavior and *an indecisive drizzle* as Actor. Then, predicator as the behavioural process is embedded to the clause, *that draws frogs out to croak* and as the material process is also embedded to clause *that had come and gone all morning*. Next case, the participants are Actor, Sensor, and Behavior. The participant of personification clause is non human being (inanimate) that briefly describe in the table XII.

In simplex clause, there are fifteen participant has function as Actor, eight participants have function as Sensor and one participant has function as Behavior. Meanwhile, in complex clause, participant as Actor is twelve, Sensor is two, and Behavior is one. The participant as Actor dominates because the process in personification clause is material process.

TABLE XII. PARTICIPANT

Simplex Clause				Complex Clause			
Parti- cipant	Ac- tor	Sen- ser	Beha- ver	Parti- cipant	Ac- tor	Sen- ser	Beha- ver
Cry	√			Maidan sabz	√		
the sun	√			the wind	√		
Time		√		Scattered little sparks	√		
The jagged	√			Cars	√		
Violent gusts of wind	√			the morning stars	√		
the ceiling of each		√		the galling kind		√	
The fire	√			an indecisive drizzle	√		
Panic		√		a cloud		√	
head	√			A nippy gust	√		
A wind	√			the craggy shore	√		
a cool night wind	√			Midday sunlight	√		
the metal poundi ng	√			sky crammed	√		
the wind	√			It (wave)	√		
a handso me car		√		The leaves of the maples	√		
Bullets	√			the galling kind			√
flashes of green	√			Σ	12	2	1
the wind	√						
a cloud		√					
The sun	√						
the breeze	√						
Her eyes were		√					
the world		√					
sunlight		√					
the wind			√				
Σ	15	8	1				

The third case, circumstance merely presents location place, accompaniment, source, and time. It shows that the position of circumstance is optional element rather than obligatory component such as process and participant. The last, the patterns of transitivity of personification clauses are constructed in simplex and complex clauses. There are eight patterns in simplex clause and there are

eleven patterns in complex clause. The pattern of transitivity discusses briefly in table XIII.

TABLE XIII. PATTERNS OF TRANSITIVITY IN PERSONIFICATION

Clause Process	Simplex	Complex
Material Process	1. Actor + MP. 2. Actor + MP + Goal. 3. Actor + MP + Cir.Loc.Place. 4. Actor + MP + Cir.Loc.Source. 5. Actor + MP + Goal + Cir.Loc.Time. 6. Actor + MP + Cir.Loc.Time.	1. Actor + MP + Cir.Loc.Place, MP+ Cir.Loc.Place. 2. Actor + MP + Cir.Loc.Place, MP+Goal. 3. Actor + MP + Goal, Actor + MP+ Cir. Accompaniment. 4. Behavior+ Be.P + Fenomenon, Conj. Actor+MP+Cir.Loc.Time. 5. Actor+MP+Goal, Actor+MP+Goal 6. Actor+MP+Goal, MP+Goal+Cir.Loc.Place 7. Actor+MP+Cir.Place.Sourc e, MP+Goal, Conj. MP+Goal.
Mental Process	1. Sensor +Me.P+Fenomen on.	1. Sensor+Me.P/Goal, Me.P + Fenomenon. 2. Actor+MP, Conj. MP, Conj.MP, Me.P + Fenomenon. 3. Sensor+ Me.P + Me.P
Behavioural Process	1. Behavior+Be.P+ Cir.Loc.Place	1. Behavior+ Be.P + Fenomenon, Conj. Actor+MP+Cir.Loc.Time.
Σ	8	11

The above transitivity patterns of personification clauses in the novel *And the Mountain Echoed* by Khaled Hosseini are filled by participant *Actor*, *Sensor*, and *Behavior*. It indicates that non human being (*inanimate*) in literary work especially in novel has direction that the story is interested and impressed. Thus, the ideational meaning in novel describes experiential about language phenomenon. Transitivity is study of grammatical system that represents experience and ideational meaning that expresses reality and event or happening. It is applicable in personification clauses. Furthermore, ideational has function to reflecting the reality of participant experience includes the experience of human being (*animate*) and non human being (*inanimate*) as agent who doing activities with circumstance or not.

V. CONCLUSION

From the result findings and discussion of the research, it can be concluded that:

- 1) There are three experiential processes of personification clauses found in novel *And the Mountain Echoed*, they are material, mental, and behavioural process. Material and mental processes dominated transitivity personification clauses because subject as inanimate to do thing and move as human being (*animate*).
- 2) The participants are Actor, Sensor, and Behavior.

- 3) Then, circumstance merely present location place, source, accompaniment, and time.
- 4) The pattern of transitivity of personification clauses are constructed in simplex and complex clauses. There are eight patterns in simplex clause, they are:

a) Material Process

1. Actor + MP.
2. Actor + MP + Goal.
3. Actor + MP + Cir.Loc.Place.
4. Actor + MP + Cir.Loc.Source.
5. Actor + MP + Goal + Cir.Loc.Time.
6. Actor + MP + Cir.Loc.Time.

b) Mental Process

7. Senser + Me.P + Fenomenon

c) Behavioural Process

8. Behaver + Be.P + Cir.Loc.Place

And there are eleven patterns in complex clause, they are:

a) Material Process

1. Actor + MP + Cir.Loc.Place, MP + Cir.Loc.Place.
2. Actor + MP + Cir.Loc.Place, MP + Goal.
3. Actor + MP + Goal, Actor + MP + Cir. Accompaniment.
4. Behaver + Be.P + Fenomenon, Conj. Actor + MP + Cir.Loc.Time.
5. Actor + MP + Goal, Actor + MP + Goal
6. Actor + MP + Goal, MP + Goal + Cir.Loc.Place
7. Actor + MP + Cir.Place.Source, MP + Goal, Conj. MP + Goal.

b) Mental Process

8. Senser + Me.P / Goal, Me.P + Fenomenon.
9. Actor + MP, Conj. MP, Conj. MP, Me.P + Fenomenon.
10. Senser + Me.P + Me.P

c) Behavioural Process

11. Behaver + Be.P + Fenomenon, Conj. Actor + MP + Cir.Loc.Time.

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