

Identity Development Among Secondary School Students in Tehsil Sargodha Schools

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ABSTRACT

Identity development is a critical component of adolescent human development, characterized by ongoing processes of exploration and commitment that impact upon one's sense of identity in the educational and social environments. In the present study, an effort was made to investigate the identity development of secondary school students in Tehsil Sargodha, Pakistan. It also examined gender, grade level, and school type differences as well as the identity exploration to identity commitment continuum. A cross-sectional survey with quantitative approach was used. A standardized identity development scale was used to gather data from 295 secondary school students on the dimensions of exploration and commitment. Descriptive statistics, independent samples t-tests, Pearson correlation and simple linear regression analysis were used as statistical techniques. Results revealed that the level of students' identity development was moderate. There was a significant difference between the genders and between the different grades, but not among school types. There was a significant positive correlation between identity exploration and identity commitment. The analysis showed that identity exploration was a significant predictor of identity commitment for adolescents in regression analysis. The difference between institutions mainly influences identity development among adolescents indirectly, through their internal developmental processes. The process of exploration is important for enhancing commitment to the sense of identity in the school context.

Keywords: Identity development, adolescence, secondary school students, exploration, commitment, school environment, Pakistan, quantitative study

INTRODUCTION

Adolescence is acknowledged to be a very important period of human development, characterized by rapid psychologic-social changes. Adolescents start to develop a coherent sense of themselves in this period, as a result of interactions with their environment, maturation of their thinking abilities and growing social expectations. The latest development research had highlighted that identity formation is not a static process but a dynamic process in which continuous exploration and evaluation of life options are the key factors (Pratama et al., 2025). Identity development is the process of developing a coherent and consistent sense of self through exploration of options and making commitments about values, beliefs, relationships and future aspirations. Today, the view is that identity is not a fixed psychological construct, but rather a fluid process. Adolescents explore multiple options prior to meaningful commitments and this process can occur across developmental time as a function of life experiences and contextual factors (Bobba et al., 2024). Empirical studies in recent years have also further nuanced the knowledge about identity processes by showing that the progress of identity development is linked to psychological well-being. When adolescents make a well-rounded commitment to their identities, they demonstrate greater emotional adjustment and satisfaction with life; when they continue to feel uncertain about their identity, they may experience some developmental challenges. Importantly, individual cognition does not solely contribute to identity formation, but also interpersonal and environmental factors that shape opportunities for identity exploration and identity decisions (De Lise et al., 2024).

The school context is particularly important in adolescence identity formation due to opportunities for learning, interaction and future orientation. Academic work, school relationships and school culture are introduced to students during their school years, which can shape their views of themselves and their future options. Autonomy, reflection and participation in education are critical for fostering identity exploration and commitment formation during the adolescent years (Mastrotheodoros et al., 2024). Moreover, family dynamics and wider social contexts influence the process of identity development in interaction with school experiences. Family dynamics, family communication and emotional support are important aspects that influence the process of establishing and sustaining identity commitments in adolescents. From a cultural standpoint, the norms or expectations of society are different and can affect the formation of identity among adolescents (Z & Qin, 2023). In collectivistic settings, identity formation is more likely to be enmeshed in the dynamics of family duties and social obligations, while in more individualistic settings, there is more emphasis on personal autonomy. Recent studies indicate, however, that across cultures, the core steps in the process of exploring and deciding are essential for identity development (Branje et al., 2021).

The academic pressure, family expectations and cultural values in South Asian contexts like Pakistan make the school environment an especially significant place for identity development to come into being. In these environments, adolescent decisions about their education and careers are likely to be salient during secondary school, and identity formation becomes particularly salient. Institutional structure and the cultural expectations provide a unique developmental environment for students (De Lise et al., 2024). Decision-making processes are also related to the process of identity development during adolescence. A student's self-concept and future orientation improves when he or she actively seeks out academic and career options. But when there are few opportunities for exploration, adolescents will likely not make binding commitments, resulting in uncertainty and loss of motivation. These patterns provide insight into the need for supportive environments that enable informed exploration (Ozer et al., 2024). Identity development theories more recently have focused on the non-linear, cyclical nature of identity. Adolescents might make the same choices over and over again, returning to previous commitments and reprioritizing their identity in light of new experiences. The ongoing reassessment process is a reflection of the process of identity development, and the study of identity in the context of adolescent development should be conducted in everyday settings like schools, in which adolescents spend a large portion of their developmental life (Wu et al., 2025). Identity development is becoming a critical factor in educational

psychology in relation to academic engagement and motivation. Pupils with an established sense of self tend to be more persistent in their academic endeavors and have better intentions for future plans. On the other hand, the education performance can be negatively impacted and the involvement in school activities may be lowered due to identity confusion. The students of secondary school are one of the most important groups to investigate identity processes, as this period of development is crucial (De Lise et al., 2024). Personal identity is a key theme in this phase as students are actively making choices about education, career and personal values. These processes are crucial and take place in the school environment, where academic and social experiences influence them (Hölscher et al., 2024).

In secondary education, identity development is a key part of the human development, but many students have difficulties developing a definite and stable sense of their identity during this period. Students experience diverse educational contexts, academic stresses, and cultural norms within the context of Tehsil Sargodha which can impact identity construction. But there is a lack of empirical evidence showing the process of identity development for secondary school students in this region and if there are differences between gender and school type. The absence of local studies leads to a lack of knowledge about adolescent identity development in the school environment in Pakistan. Hence, the present study is aimed at the study of identity development of secondary school students in Tehsil Sargodha. It sees identity as a dynamic phenomenon of exploration and commitment in the school environment. The study will compile a sample of students from both public and private schools to gain an understanding of the role the school environment plays in identity development in adolescence.

Research Objectives

- To assess the level of identity development among secondary school students in Tehsil Sargodha.
- To examine identity development differences among students based on gender.
- To examine identity development differences based on type of school (public vs private).
- To explore overall identity formation status during adolescence in school environment.

Conceptual Framework

The conceptual framework of the present study is shown as a tie between the demographic factors, identity development process and identity outcome of secondary school students in Tehsil Sargodha. Gender and school type (public vs private) are considered independent variables which may affect identity development. Identity development is conceptualized in terms of the two primary processes of exploration and commitment, which are conceptualizations of an active process by which adolescents pursue alternatives and make personal value, goal, and life path commitments. The school setting is the context in which these are found. Overall identity development is the dependent variable that represents students' level of identity clarity and stability.

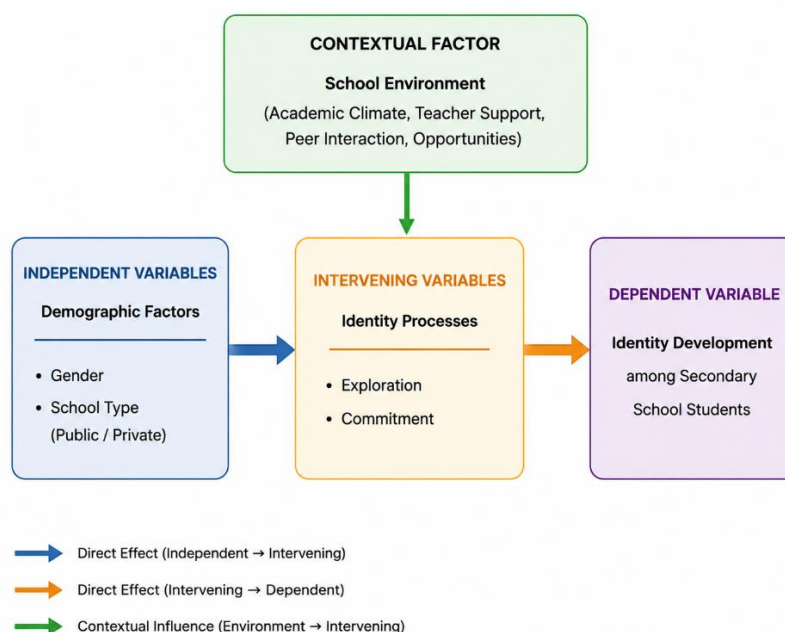


figure.1 conceptual framework

Background

In the past few years, there has been a major shift in the conceptualization of identity development in the adolescent years, with a focus from a static and fixed perspective of identity outcomes to a more complex and dynamic view of identity as a developmental process. Recent literature highlights the transition from early adolescent self-concept clarity to a more integrated and cohesive sense of continuity in the second decade of life for the purpose of coping with changing social roles (Branje et al., 2021). This process is no longer only considered a one-time activity but a constant process that adolescents have to perform, with the internal and external feedback they receive as a result of their changing social contexts (Musetti et al., 2021). However, given the globalized and digital world of the 21st century, the integration is now being complicated with the blurring distinction between physical and virtual selves (Sirin et al., 2024). The interactions that adolescents are forced to navigate with a global audience, mediated by the Internet, push them to undertake more complex and simultaneous "identity works" than their predecessors, which demand greater reflexivity and self-regulation (Maehler & Hernández, 2025). The study of within-person variability and the mechanisms by which adolescents continue to feel sense of self-consistency amid such shifting external demands now take precedence (Musetti et al., 2021).

The tendency to integrate a more fluid sense of the self is reflected most clearly in the use of dual-process and developmental models that recognize the formation of identity at initial stages and its maintenance over a longer time frame. Recent studies highlight the importance of how two cycles are intertwined—one of formation and the other of maintenance—in which the adolescent processes in his or her mind different alternatives and compares them with the options that are being implemented (Queija et al., 2023). Macro-level environmental shocks cannot be ruled out of these cycles, and recent studies have specifically examined how the global crisis of COVID-19 has completely upended these developmental paths (Bobba et al., 2024). As social exploration has been curtailed during the pandemic, and time was suddenly reset, there is robust evidence that identity uncertainty increased, with adolescents being deprived of the social feedback loops they needed to affirm their commitments (Bobba et al., 2024). Moreover, there is

longitudinal evidence that these longer-term developmental processes are created by shorter-term dynamics at the daily level (Becht et al., 2021). Commitment and exploration are key components of the emergence of identity that can shift from day to day and build up to create patterns of identity stability or instability, depending on the amount of uncertainty that is felt by an adolescent on a daily basis (Becht et al., 2021). These daily processes are very dependent on the satisfaction of basic psychological needs (autonomy, competence, and relatedness), which act as motivation for healthy identity exploration and later synthesis (Jovanović et al., 2024).

The connection between identity development and psychological adjustment continues to be an important issue in clinical and educational research, especially in determining risk factors for social-emotional problems. A thorough meta-analysis of longitudinal studies has found a strong bidirectional relationship between identity synthesis and mental health, with a disconnected or confused sense of self as a key risk factor for mental issues such as anxiety and depression (Potterton et al., 2021). The psychological consequences of having a "disturbed" identity dimension, high self-discontinuity and fragmentation, are significantly associated with more severe psychological symptoms, such as the symptoms of borderline personality disorder (BPD), among adolescents that are struggling to achieve a stable identity (Bogaerts et al., 2023). It is interesting to note that the domain of identity most likely to impact well-being can differ across ethnicities, indicating that the "importance" that is given to different aspects of self can also serve as a moderator on overall life satisfaction (Lise et al., 2023). Studies conducted in Pakistan in recent years have yielded findings of the full mediation between personality traits and psychological wellness of a student in the context of incoherent identity development (Zahid & Goth, 2022). This is an interesting result because it implies that the way that people develop a coherent identity is the most important factor in emotional wellbeing, not their innate personality traits of being fearful or shy (Zahid & Goth, 2022).

Institutional context is a key site for identity development because of the organized challenges and social evaluations that push adolescents to construct their capacities within the boundaries of the school. In the context of the education system in Pakistan, the concept of adolescent's 'institutional identity' has been identified as a multidimensional construct consisting of an adolescent's sense of belongingness to his/her school, their personal perceptions of success in school and the school's reputation (Batool, 2021). The role of school, however, is sometimes complicated by a "clash of ethos" that is happening between the values reflected in the school environment and the dominant social environment in the surrounding community (Misri et al., 2021). In Pakistan, these lived experiences have been identified as challenging students' ideologies and sparking "status wars" that cause a sense of identity crisis and social stigmatization for those who are not in line with the dominant institutional norms (Misri et al., 2021). Some teachers have adopted a collaborative action research approach which brings middle school students as co-researchers to support reflexivity and emotional competencies needed to navigate these complex environments (Haag et al., 2022). Even with these potential interventions, there's a disturbing pattern in larger developmental studies that as children enter late adolescence, their trust in social systems and engagement with the school system may significantly diminish (Carvalho et al., 2025).

However, identity development is not confined to the classroom and is well woven into the wider social and cultural structures of the nation; especially in societies where there is an emphasis on a collective identity. National identity is a core and socially embedded part of an individual's self, developed as a result of an ongoing process of socialization from parents, relatives, teachers, and media, which builds a sense of belongingness and pride among youth of Pakistan (Batool, 2022). The prevalence studies in Pakistan in recent years show that most of the school adolescents in Pakistan have a high sense of patriotism and national integration and that the national identity is a positive and stable resource for them (Zeba et al. 2021). However, the experience of identity is not the same for everyone as religious minority student groups, such as Christians in Pakistan, may be at varying levels of social and collective identity awareness than the majority group (Shaukat et al., 2021). This becomes even more complex for South Asian youth

who live within multicultural or immigrant environments, where they need to integrate the values of their cultural background into the values of the host culture to ensure their psychological well-being (Kodippili et al., 2024). These are the youth who are more likely to be exposed to perceived discrimination which can significantly impair their capacity to develop a healthy ethnic identity and consequently experiencing long-lasting mental health problems (Unni et al., 2022). Due to these complexities, researchers have urged the need for more intersectional and culturally sensitive evaluations of South Asian identities that take into account the varied demographic and settlement experiences and contexts of South Asians (Raval et al., 2025).

The socioeconomic stratification of educational system in Pakistan, in general and the separation between public and private schools, is one of the most striking factors affecting adolescents' development. School choice has become a battleground of classes, as parents have turned to private schools for the social "brand" their children would receive (Shahbaz et al., 2022). In Pakistan, such institutional stratification is not only a symbolic phenomenon, but private schools also demonstrate a distinct "premium" in learning gains and value-added when it comes to their academic output, meaning that their students have a tangible learning advantage (Andrabi et al., 2024). These distinctions are also reflected in the vocational maturity of the youth, wherein the vocational maturity and aspirations of students of private schools are found to be much higher as compared to the students of Government schools (Rajan & Bala, 2025). This could also reflect the availability of career materials in private schools and the social identity existing in their school that can serve as a valuable resource for personal identity development (Sugimura et al., 2024). The "private premium" implies that a school can directly promote the shift from social membership to a clear personal self-definition, through its institutional label and social network (Sugimura et al., 2024).

For any developmental science to reflect the identity development process in a region such as Tehsil Sargodha, one must have a "decolonial" approach to developmental science, which is Western-centric and focuses on the local structures rather than the universal application of western ideas. Although some of the fundamental processes of exploration and commitment may be universal, the way in which they are expressed—and the timing of their expression—are rooted in the social power dynamics and community expectations in local contexts (Banati, 2024). A systematic review of the field suggests that although knowledge of general mechanisms of identity continues to develop, the field has limited information on the "majority world" contexts of Asia (Maehler & Hernández, 2025). Moreover, the satisfaction of basic psychological needs is the key to healthy development, but it can be significantly different in an organized environment, such as an elite private school, and in a less organized environment, such as a public school, which may have limited resources (Jovanović et al., 2024). The modernized assessment tools, including the Italian validated AIDA (Musetti et al., 2021) that emphasize identity consistency, allow researchers to start creating a stronger evidence base, more empirically grounded and culturally valid. This study is designed to close these gaps by offering a contextually defined perspective on the intersection of school type and gender with the identity processes of secondary school students in Sargodha.

Thus, the existing literature reports identity development as a process that is dynamic, socially-situated and institutionalized and that plays a crucial role in the emotional and social health of adolescents. The current transition to a 'digital' and 'connected world' has transformed the issues of identity integration, and local studies in Pakistan have shown the 'bigger than we think' impact of school ethos and institutional stratification. The study indicates that there is a lack of research in semi-urban areas such as Sargodha and therefore in need of quantitative study which can address the specific cultural and educational challenges of youth of the city in the rapidly changing society. Through the commitment/reconsideration process, the role of the public/private school divide in this process will be explored to provide critical information to guide more effective educational policies and school-based counseling. This work is not only of theoretical interest, but of a practical necessity for promoting psychological resilience and future social involvement of young people in the region. Finally, it will provide an important glimpse into how these young people

are building a sense of self in their distinct institutional contexts, which will provide insights into the future of the nation as a whole.

Theoretical Framework

The present study builds on the theory of the psychosocial stages of development (Erikson, 1968) and identity status model (Marcia, 1966) as the developmental task that factors into identity development in adolescence. Adolescents' period of development is said to be the stage of identity versus role confusion where they attempt to establish a sense of self by synthesizing values, beliefs, and future plans (Erikson, 1968). Marcia further formalized this process by developing identity statuses which describe the stages people go through in developing identity as a result of varying degrees of decision and investment into it (Marcia, 1966). Current studies focus on the process of identity, its ongoing nature, as well as its fluidity and social and contextual shaping (Crocetti et al., 2021). In this study, identity development is defined as the interaction between personal identity processes and influences of the school environment. In the context of Tehsil Sargodha, gender and type of school are identified as contextual factors affecting the exploration and commitment patterns of the adolescents.

METHODOLOGY AND ITS JUSTIFICATION

The study used quantitative research methodology suitable for examining identity development based on numerical data and statistics. This way variables can be measured objectively and compared across groups in the population, ensuring scientific rigor as well as generalizability of variables. The data collection method in this study is by using a psychological scale which has been standardized and valid, namely Ego Identity Process Questionnaire (EIPQ) that has been widely used in developmental study for adolescents to measure identity formation. By using this validated tool, it is ensured that the construct of identity development is measured in a reliable, valid, and consistent way for each participant.

Sample and Sampling Technique

The study sample comprised about 300 students of secondary schools selected from the Tehsil Sargodha in public and private school of the town. A stratified random sampling technique will be used to select participants. To begin with, there will be two categories of schools: public schools and private schools. Schools will be randomly sampled from each stratum and then students in Grade 9 and Grade 10 will be sampled at random. Stratified sampling is suitable for this study because it will ensure equal representation of key subgroups (gender and school type), reduce sampling bias and enhance the generalizability of the results. In teaching and learning, stratified random sampling is especially useful if there is a high degree of heterogeneity within the population since it increases precision and statistical efficiency (Taherdoost 2016).

Instrument

This study used an adopted standardized and validated scale, the Ego Identity Process Questionnaire (EIPQ) developed by Bennion and Adams (1986) to measure identity exploration and commitment among adolescents.

RESULTS

Demographic Characteristics

Table 1

Demographic Characteristics of the Participants (N = 295)

Characteristic	Category	<i>n</i>	%
Gender	Male	148	50.2
	Female	147	49.8
Grade	Grade 9	133	45.1
	Grade 10	162	54.9
School type	Public	190	64.4
	Private	105	35.6
Location	Urban	182	61.7
	Rural	113	38.3

Table 1 shows the demographic characteristics of the participants. The gender distribution was almost equal, with 148 male students (50.2%) and 147 female students (49.8%). There were 54.9% grade 10 and 45.1% grade 9 students in the sample. The majority of the participants (64.4%) were attending public schools, while 35.6% were attending private schools. With respect to place 61.7% of the students came from urban areas and 38.3% of the students came from rural areas.

Table 2

Group Differences in Identity Development

Variable	Group	M	SD	t	df	p	Mean Difference
Identity Exploration	Male	3.34	0.72	2.53	293	.012	0.22
	Female	3.12	0.75				
	Grade 9	3.39	0.63	3.49	292.69	.001	0.29
	Grade 10	3.10	0.80				
	Public	3.18	0.71	-1.57	293	.118	-0.14
	Private	3.32	0.78				

Identity Commitment	Male	3.34	0.75	2.12	293	.035	0.18
	Female	3.16	0.69				
	Grade 9	3.41	0.71	3.30	293	.001	0.28
	Grade 10	3.13	0.72				
	Public	3.27	0.74	0.47	293	.636	0.04
	Private	3.23	0.69				

Table 2 shows the findings of independent samples t-tests for gender, grade and school type difference in identity development. For gender, male students showed higher identity exploration ($M = 3.34$, $SD = 0.72$) than female students ($M = 3.12$, $SD = 0.75$), with a significant difference ($t = 2.53$, $p = .012$). Similarly, males also scored higher in identity commitment ($M = 3.34$, $SD = 0.75$) compared to females ($M = 3.16$, $SD = 0.69$), ($t = 2.12$, $p = .035$). For grade differences, Grade 9 students showed higher exploration ($M = 3.39$, $SD = 0.63$) and commitment ($M = 3.41$, $SD = 0.71$) than Grade 10 students ($M = 3.10$, $SD = 0.80$; $M = 3.13$, $SD = 0.72$), both significant ($p = .001$). However, no significant differences were found between public and private schools for exploration ($M = 3.18$ vs 3.32 , $t = -1.57$, $p = .118$) or commitment ($M = 3.27$ vs 3.23 , $p = .636$). Overall, findings suggest that grade and gender have an impact on identity development but not school type.

Table 3

Correlation Between Identity Exploration and Identity Commitment

Variable	M	SD	1	2
Identity Exploration	3.22	0.74	—	
Identity Commitment	3.25	0.72	.790**	—

$N = 295$, $p < .001$

Table 3 shows the correlation analysis between the dimensions of identity exploration and identity commitment. The results show a positive correlation between the two variables, which is very strong and statistically significant ($r = .790$, $p < .001$). This suggests a significant relationship between active participation in exploring life options, beliefs, and goals and increased identity commitments among students. The high correlation indicates that there is a close and interrelated relationship between exploration and commitment in the development of adolescent identity. The relationship is strong but it is not necessarily causal; or, the one variable cannot be said to cause the change in the other.

Predictive Relationship

Table 4

Regression Analysis Predicting Identity Commitment from Identity Exploration

Predictor	B	SE	β	t	p
Constant	12.13	1.86		6.52	<.001
Identity Exploration	0.77	0.03	.79	22.04	<.001

Model Fit: $R = .790$, $R^2 = .624$, $F(1,293) = 485.87$, $p < .001$

Table 4 shows the result of simple linear regression analysis of the prediction between identity commitment and identity exploration. Results suggest that identity exploration is a significant and strong predictor of identity commitment ($\beta = .79$; $p < .001$). The model explains 62.4% of the variance in identity commitment ($R^2 = .624$), indicating that there is a significant predictive relationship between the two constructs. This suggests that adolescents who explore more will have more identity commitment. The results of the regression model show that the regression model is statistically significant, thus proving that exploration has an important role in the process of identity development for secondary school students.

FINDINGS AND DISCUSSION

The present study examined the identity development of secondary school students in Tehsil Sargodha in terms of two basic dimensions of identity which are identity exploration and identity commitment. It was found that students' overall level of identity development is relatively moderate which means that the students are actively engaged in life option exploration process and the students are in a process of making their own commitments. This aligns with recent findings that show an intermediate developmental phase, like an undifferentiated identity status, is when adolescents are usually measured as being in the middle of the spectrum in terms of their identity in each aspect (Iwasa et al., 2023). The first significant result of this study is that there are important gender differences in identity development, with males reporting slightly higher levels of identity exploration and identity commitment than did females. This indicates that boys may enjoy more freedom or opportunity to explore alternative identity choices within the school setting. Such differences are consistent with modern research findings that gender-typed beliefs and differences in one's perception of one's self can occur during these developmental times (Eccles & Wigfield, 2024).

The second major result is that identity exploration and commitment were significantly different at grade 9 versus grade 10. The finding implies that there may be greater readiness among younger secondary school students to consider options to their identities, and greater pressure on older students to engage in academic activities. The developmental literature supports the sensitivity of time to developmental change in identity, with developmental changes in commitment and exploration being more likely to occur as students move through the secondary school system (Moor et al., 2023). The study, however, did not establish any significant differences between the identity development of students in public school and those in private school. This suggests that the school type has little influence on identity exploration or commitment in this context. Recent empirical research indicates that the overall context of the school, including the specific school environment, is less important than the relational and individual factors, including parental autonomy support and emotional self-regulation in shaping identity outcomes (Mahmud et al., 2026).

A key and important result of this study is that identity exploration is positively and significantly related to identity commitment. The correlation analysis indicated that there was a strong correlation, that is, the more students explored various life options, the stronger their commitments to values, goals, and direction in life. This is supported by longitudinal data, which revealed that identity commitment and deep reflection are a constant and positive relationship across adolescence (Becht et al., 2021). Further, the regression analysis results showed that the identity exploration is a significant predictor of identity commitment and accounted for a significant proportion of variance. Hence, meaningful exploration is linked to an increase in adolescents' identity commitments. This is in line with the current views that exploration in both its breadth and depth are the main catalysts for identity formation and evaluation cycles to establish clear objectives (Negru-Subtirica et al., 2021). In general, the results of this study indicate that identity development of secondary school students in Tehsil Sargodha is more of a personal developmental process than institutional differences. There is some effect of gender and grade level, but school type has little effect. Exploration and commitment are strongly interrelated and this suggests that identity formation is a developmental process, and that exploration is the basis for the formation of commitment.

CONCLUSION

It is concluded that the identity development of secondary school students in Tehsil Sargodha is moderate and differences exist between boys and girls as well as between different grades. Male students and Grade 9 students had slightly higher identity exploration and commitment than females and Grade 10 students. School type was not a significant factor in the development of identity, however. There was a significant positive correlation between identity exploration and identity commitment, which indicates that exploring identity is an important factor to influence teen identity. As a whole, the formation of identity in adolescence is a process of development which is more affected by the individual's developmental factors rather than the difference between institutions.

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