Changing Self Perceptions

A controlled efficacy study of the Quadrinity Process

by Christiane Wirthwein

A Synopsis of the Wirthwein Dissertation Research
Revised Edition, January 1, 1990

Methodology and Analysis Commentary
by Michael R Hutchinson, Ph.D. and Carolyn M. Aldwin, Ph.D.

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6 **Synopsis & Discussion**
Commentary on Methodology, Results Analysis and Future Research

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Michael R. Hutchinson, Ph.D. is a Research Psychologist at the University of California, Davis, and Carolyn M. Aldwin, Ph.D. is a tenured professor at Cornell University. Both Dr. Aldwin and Dr. Hutchinson are members of the Human Development and Family Studies.

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Introduction

The opportunity for good scientific research in an academic environment concerning clinical issues and group therapy has been effectively avoided by the German psychological community. Psychoanalysis and behaviorism have been the only two methods of therapy to receive the benefits of the Quadrinity Process and was able to maintain support for her research idea in the form of a dissertation. Dr. Wirthwein is the first German psychologist to receive a doctorate in the field of psychology. Her research dealt with the effects of the Quadrinity Process training with a number of psychological tests. Her aim was to clarify what benefits, if any, may be derived from the Quadrinity Process.

The German dissertation was evaluated by Christiane Wirthwein and entitled *Veränderung des Selbstkonzepts durch Quadrinity Prozess Training* (Change of Self-Concept through Quadrinity Process Training). The dissertation was submitted in the fall of 1989 at the Humboldt-Universität zu Berlin, Germany.

As a clinician and consultant, it has been with some satisfaction that I have been able to review this dissertation. In the following pages, I will attempt to bring the spirit of the dissertation, as well as the substance, to the English speaking reader. Dr. Wirthwein has graciously given her permission in writing to read the complete dissertation in German may contact the **Huffman Institute** in order to obtain a copy.

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Executive Summary

The theme and purpose of the Wirthwein study was to examine the effectiveness of the Quadrinity Process. The study was designed to measure changes in self-concept, as a result of participation in the Quadrinity Process training and hence, which ensure efficacy studies in order for specific therapies to be accepted by the German psychological community. Dr. Wirthwein's study was designed to be professional, legal and scholarly evidence to support a number of hypotheses. She enumerated a number of hypotheses.

The hypotheses:

1. The Quadrinity Process offers long-term changes.
2. In the examination of the two groups, the effects of the 6 to 8 day Quadrinity Process are larger than the effects of the control group which received no training.
3. The therapeutic results of the Quadrinity Process show themselves in the following dimensions:
a) increased self-esteem and self-acceptance;
b) increased self-worth and self-confidence;
c) increased self-control;
d) development of emotional competence (self-awareness, growth potential, ability to express emotions, ability to deal with emotions, awareness of responsibility, etc.);
e) increased ability to deal with life circumstances;
f) the movement of self-perception towards a picture of the desired ideal.

The dissertation research was designed to be a controlled study with a pre-test and post-test. A control group was also included. The basic study, which took approximately 1½ hours to complete, was administered to both groups. The Quadrinity Process group received the study 1 week before the training and 1 week after the training. The control group received the study 2 weeks apart. Approximately 6 and 18 months after treatment, a further packet of the results for the Quadrinity Process students was mailed to Dr. Wirthwein for analysis.

The results of the basic measures showed a substantial difference between the two groups after the period. For instance, among the many documented changes, the scores of the Frankfurter Selbstkonzeptskalen (Frankfurt Self-Concept Scales) showed significant changes in the Quadrinity Process group. Significant changes in the Wahrnehmungsfragebogen and the Gießen-Test also showed significant changes. The Gießen-Test also showed significant changes in the Quadrinity Process group in the areas of self-worth and self-confidence. These outer scores are indicative of the inner changes in the areas of self-acceptance, self-worth and self-confidence. These scores indicate that fundamental processes in rich and serious ways.

In all the dissertation results are encouraging. Wirthwein comes to the conclusion that the Quadrinity Process is a highly effective one. She finds the changes positive, stable and long-term.

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Theoretical Underpinnings

A previous author, the Frankfurt scholar **Claudius Ramazan, MD**, has spoken to the issue of the underlying theory of the Quadrinity Process. In his book *Psychotherapie der Zukunft* (The Future of Synthesis) (1982), Ramazan elegantly lays out the internal workings of the Process as an experience which is based on the principles of Gestalt psychology and Jungian theory. Ramazan's book is the first to combine and extend the "inspirational phase", and finally the "reintegration phase" in a natural flow that transcends the left. He argues that the Quadrinity Process is methodologically sound, and that it is a valid way to bring about the changes in self-concept that the participants experience.

Wirthwein, in her efforts, clearly inspired by the principles of Gestalt psychology and Jungian dynamics of groups, is most interested as the Quadrinity Process as a ritual dies (ideologies—Wirthwein's term) and rebirth (reintegration). Wirthwein's study is the first to attempt to measure the experiential and emotional learning. She points to Jung's theory that neurosis is a result of meaningful experiences that the individual person has not integrated.

Wirthwein, on the other hand, inspired by the principles of Gestalt psychology and Jungian dynamics of groups, is most interested as the Quadrinity Process as a ritual dies (ideologies—Wirthwein's term) and rebirth (reintegration). Wirthwein's study is the first to attempt to measure the experiential and emotional learning. She points to Jung's theory that neurosis is a result of meaningful experiences that the individual person has not integrated. She points to a number of theorists who have described the importance of the ritual in the individuation process in rich and serious ways.

In all the dissertation results are encouraging. Wirthwein comes to the conclusion that the Quadrinity Process is a highly effective one. She finds the changes positive, stable and long-term.

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Procedure & Methodology

The four paper and pencil self-report instruments of this dissertation study are: The Frankfurter Selbstkonzeptskalen (FSKN) by Deusinger, The Wahrnehmungsfragebogen (Perception Questionnaire) by Kleinschmidt and Petermann, the GITE and GITO.

The investigator, Christiane Wirthwein, began with the axiom that changing occurring in the Quadrinity Process would open up a number of different areas of the self. She chose the FSKN, the Wahrnehmungsfragebogen, the GITE and the GITO because they were well established and she chose was consistent mainly with the issues of the Selbstkonzeptskala Self Concept. The instruments FSKN, GITE and GITO are well established instruments in Germany. The Wahrnehmungsfragebogen, or Perception Test, is not as well known. The sub scales are as follows:

FASL: Allgemeine Lebenszufriedenheit—General Capacity for Responsivity
FSAS: Anderes und Erscheinungsmanagement—Capacity for stick with it more in personal decision making in everyday circumstances
FSKN: Selbstsicherheit/Selbstvertrauen und Selbstakzeptanz/-mögen—Capacity for responsibility and open action in the face of disagreement
FSKU: Kontakt- und Umgangsfähigkeit—Capacity to commence and are conversations, to maintain a conversation and to end it
FSKN: Mechtbedürfnis und Kontrolle—Influence of fears, sensations and emotional awareness
FSSA: Gefühle und Beziehungen zu anderen—Feelings and relationships with others
FSSE: Selbstsicherheit im Verhalten—Capacity for responsibility
FSWS: Selbstakzeptanz/-mögen/Selbstvertrauen—Acceptance and Sensitivity

Hypothesis III is the examination of the five projects. The effects of the 6 day Quadrinity Process are larger and more stable than those of the three month control therapy control group.

The hypothesis is supported by the data demonstrated in the adapted Tables **12** and **13** shown below. What this data demonstrates is that the Quadrinity Process group showed significant changes in the areas of self-worth and self-confidence. The control group showed no significant changes. The Quadrinity Process group showed significant changes in the areas of self-worth and self-confidence.

Table 10

Test/Scale	SCL1	SCL2	SCL3	SCL4	SCL5	SCL6	SCL7	SCL8	SCL9
1.Extra.	2.68	3.08	2.82	2.89	3.44	2.38	.48	3.12	3.69
2.Verträ.	2.68	2.92	2.64	2.74	3.11	2.73	2.15	2.76	2.64
3.Gewis.	2.15	1.89	1.96	2.00	1.89	1.86	2.23	1.96	2.09
4.Neuro.	2.45	2.69	2.40	2.53	2.45	2.61	2.62	2.77	2.68
2.Alt	13	13	13	13	13	13	13	13	13
2.Ge	1	1	1	1	1	1	1	1	1
pK	2.792	0.4002	7.0234	7.1077	5.7	4.1428	5.1998	6.7158	1.9548
Prob.	0.0066	0.5317	0.0099	0.0087	0.0213	0.0435	0.0253	0.0119	0.1699
Wurz.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Table 11

Test/Scale	SCL1	SCL2	SCL3	SCL4	SCL5	SCL6	SCL7	SCL8	SCL9
1.Extra.	2.68	3.08	2.82	2.89	3.44	2.38	.48	3.12	3.69
2.Verträ.	2.68	2.92	2.64	2.74	3.11	2.73	2.15	2.76	2.64
3.Gewis.	2.15	1.89	1.96	2.00	1.89	1.86	2.23	1.96	2.09
4.Neuro.	2.45	2.69	2.40	2.53	2.45	2.61	2.62	2.77	2.68
2.Alt	13	13	13	13	13	13	13	13	13
2.Ge	1	1	1	1	1	1	1	1	1
pK	2.792	0.4002	7.0234	7.1077	5.7	4.1428	5.1998	6.7158	1.9548
Prob.	0.0066	0.5317	0.0099	0.0087	0.0213	0.0435	0.0253	0.0119	0.1699
Wurz.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note that the left string of scores is the first set of tests performed by the Quadrinity Process subjects.

The three right strings of scores are all post-test information. Although statistical significance is found in the Quadrinity Process group in the areas of self-worth and self-confidence, the control group showed no significant changes. Table 12 and 13 indicate even more significant changes than the last statistical test. The above SCL1/SCL9 scales refer to the test scales below:

SCL1: Extraversion—Extraversion
SCL2: Verträglichkeit—Feeling of self-esteem in relation to own actions as they relate to and affect others
SCL3: Gewissenhaft—Inappropriately exaggerated feelings of embarrassment

The fourth instrument used sought to clarify the ability of self-perception and the fact self-perception of the subjects. Self perception is simply the picture that the person might have of themselves in the areas of self-worth, self-control, etc. The GITE and GITO are well established instruments in Germany. The GITE and GITO scales are as follows:

GITE-S: Soziale Kompetenz—Differentiating attributes of social competence, showing authoritarian traits or self-effacing submissive qualities
GITE-Z: Kontrolle—Differentiating attributes of control — either uncontrolled behavior or over-controlled behavior
GITE-A: Grundüberzeugung—Differentiating attributes of either hypersensi- or depressive styles of interpersonal relationships
GITE-N: Neurotizismus—Differentiating attributes of vitamina or expression of basic interpersonal relationship
GITO-S: Kontrolle—Differentiating attributes of controlling regard social skills such as demonstrated control or behavioural controls, for which manipulation ability to socialize easily

Collectively, the above questionnaires took approximately 1.5 hours to complete. Both the Frankfurter Self-Concept Scales and the Gießen-Test are well known and widely used in Germany. The Perception Questionnaire and the GITE and GITO are relatively new and have been used in research projects directly after the treatment. Further requests for completing the questionnaire occurred at 3 and 9 months after the training. The data from these tests will be the subject of a further study in the near future. In this study, a retrospective comparison of the questionnaires with pre-treatment was the primary frequency. That is, the number of voluntary respondents diminished after each testing with both the control group and the Quadrinity Process group participants.

The Wirthwein study group also included a control group. There was a waiting list for the experimental group, while the control group had an n=22. The experimental group showed a return of the questionnaires of n=13. The control group showed a return of n=9. Wirthwein felt that the results were not tested for their significance. The average age range of the n=22 group was 30.27 years, with the female population of both groups was at 70%. Both groups showed a high percentage of professional/academic backgrounds. Both groups were also similar in their marital status. Wirthwein also found that the experimental group tended to have a higher than average income range.

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The Results

The Wirthwein results are significant, both in their statistical analysis and in terms of the theoretical implications. In the following pages, we will look at the statistical analysis of the results. Dr. Wirthwein's hypotheses are listed below. Together with the statistical analysis, explanatory notes are presented.

Hypothesis I: The Quadrinity Process offers long term changes.

Hypothesis II is the examination of the effects of the Quadrinity Process effects long-term changes. This hypothesis was supported by the data presented in the Frankfurter Selbstkonzeptskalen (Frankfurt Self-Concept Scales). For instance, below the reader can view this author's attempt:

Figure 12

Note that the left string of scores is the first set of tests performed by the Quadrinity Process subjects.

The three right strings of scores are all post-test information. Although statistical significance is found in the Quadrinity Process group in the areas of self-worth and self-confidence, the control group showed no significant changes. Table 12 and 13 indicate even more significant changes than the last statistical test. The above SCL1/SCL9 scales refer to the test scales below:

SCL1: Extraversion—Extraversion
SCL2: Verträglichkeit—Feeling of self-esteem in relation to own actions as they relate to and affect others
SCL3: Gewissenhaft—Inappropriately exaggerated feelings of embarrassment

The fourth instrument used sought to clarify the ability of self-perception and the fact self-perception of the subjects. Self perception is simply the picture that the person might have of themselves in the areas of self-worth, self-control, etc. The GITE and GITO are well established instruments in Germany. The GITE and GITO scales are as follows:

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GITE-N: Neurotizismus—Differentiating attributes of vitamina or expression of basic interpersonal relationship
GITO-S: Soziale Kontrolle—Differentiating attributes regarding social skills such as demonstrated control or behavioural controls, for which manipulation ability to socialize easily

Table 12

Test/Scale	SCL1	SCL2	SCL3	SCL4	SCL5	SCL6	SCL7	SCL8	SCL9
1. Extra.	1.69	1.74	2.45	3.56	3.21	3.22	2.11	1.11	
2. Verträ.	2.37	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
3. Gewis.	2.07	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
4. Neuro.	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
2. Alt	13	13	13	13	13	13	13	13	
2. Ge	1	1	1	1	1	1	1	1	
pK	36.45	9.837	13.253	60.468	34.238	27.846	7.183	39.310	
Prob.	0.0000	0.0072	0.0026	0.0000	0.0000	0.0000	0.0073	0.0000	
Wurz.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Table 13

Test/Scale	SCL1	SCL2	SCL3	SCL4	SCL5	SCL6	SCL7	SCL8	SCL9
1. Extra.	1.69	1.74	2.45	3.56	3.21	3.22	2.11	1.11	
2. Verträ.	2.37	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
3. Gewis.	2.07	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
4. Neuro.	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
2. Alt	13	13	13	13	13	13	13	13	
2. Ge	1	1	1	1	1	1	1	1	
pK	36.45	9.837	13.253	60.468	34.238	27.846	7.183	39.310	
Prob.	0.0000	0.0072	0.0026	0.0000	0.0000	0.0000	0.0073	0.0000	
Wurz.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Hypothesis II is examined and discussed.

Hypothesis III is the examination of the five projects. The effects of the 6 day Quadrinity Process are larger and more stable than those of the three month control therapy control group.

The hypothesis is supported by the data demonstrated in the adapted Tables **12** and **13** shown below. What this data demonstrates is that the Quadrinity Process group showed significant changes in the areas of self-worth and self-confidence. The control group showed no significant changes. The Quadrinity Process group showed significant changes in the areas of self-worth and self-confidence.

Table 14

Test/Scale	SCL1	SCL2	SCL3	SCL4	SCL5	SCL6	SCL7	SCL8	SCL9
1.Extra.	2.68	3.08	2.82	2.89	3.44	2.38	.48	3.12	3.69
2.Verträ.	2.68	2.92	2.64	2.74	3.11	2.73	2.15	2.76	2.64
3.Gewis.	2.15	1.89	1.96	2.00	1.89	1.86	2.23	1.96	2.09
4.Neuro.	2.45	2.69	2.40	2.53	2.45	2.61	2.62	2.77	2.68
2.Alt	13	13	13	13	13	13	13	13	13
2.Ge	1	1	1	1	1	1	1	1	1
pK	2.792	0.4002	7.0234	7.1077	5.7	4.1428	5.1998	6.7158	1.9548
Prob.	0.0066	0.5317	0.0099	0.0087	0.0213	0.0435	0.0253	0.0119	0.1699
Wurz.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note the comparison of the two groups. In Table **14** the probability errors are at 0.0000 for the experimental Quadrinity Process group. In Table **15** the probability errors are at 0.0000 for the Quadrinity Process group. The control group showed significant changes in the areas of self-worth and self-confidence.

Note the probability errors in Table **15** for the control group. (the three month group therapy at a hospital), are not statistically robust. Here the probability ranges from 0.0026 to as high as 0.0213.

SCL 1: Somatisierung—Somatization
SCL 2: Zwanghaftigkeit—Obsessive Compulsive
SCL 3: Unsicherheit im Sozialkontakt—Interpersonal Sensitivity
SCL 4: Depressivität—Depression
SCL 5: Ängstlichkeit—Anxiety
SCL 6: Aggressivität und Feindseligkeit—Hostility
SCL 7: Phobische Angst—Phobic Anxiety
SCL 8: Paranoides Denken—Paranoid Ideation
SCL 9: Psychotizismus—Psychoticism

The third instrument Wirthwein used was the Gießener-Beschwerden-Fragebogen (G-Fragebogen) Confidence Questionnaire. This test has 65 items, from which 6 sub scales have developed:

GF1: Gefühl der Unsicherheit—Feelings and statements of self-doubt
GF2: Kontaktangst—Fear of contact from those of the opposite sex, fear of responsibility
GF3: Hypersensibilität—Inability to set place and to say polite no
GF4: Gefühl nach eigenen Normen—Inability to say no
GF5: Selbstakzeptanz—Feeling of self-esteem in relation to own actions as they relate to and affect others
GF6: Kindheitsangst—Inappropriately exaggerated feelings of embarrassment

The fourth instrument used sought to clarify the ability of self-perception and the fact self-perception of the subjects. Self perception is simply the picture that the person might have of themselves in the areas of self-worth, self-control, etc. The GITE and GITO are well established instruments in Germany. The GITE and GITO scales are as follows:

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GITO-S: Soziale Kontrolle—Differentiating attributes regarding social skills such as demonstrated control or behavioural controls, for which manipulation ability to socialize easily

Hypothesis V does not support the hypothesis.

To confirm or disconfirm the hypothesis of the increased ability to deal with life circumstances, this investigator used the Gießen-Test. The Gießen-Test is a well known and widely used instrument in Germany. The Gießen-Test differentiates attributes of self-awareness, showing authoritarian traits or self-effacing submissive qualities. The GITE-Z is Gießen-Test — Differentiating attributes regarding social skills such as demonstrated control or behavioural control, for which manipulation ability to socialize easily. The GITE-A is Gießen-Test — Differentiating attributes of either hypersensi- or depressive styles of interpersonal relationships. The GITE-N is Gießen-Test — Differentiating attributes of vitamina or expression of basic interpersonal relationship. The GITO-S is Gießen-Test — Differentiating attributes regarding social skills such as demonstrated control or behavioural controls, for which manipulation ability to socialize easily. The hypothesis Results for the Gießen-Test sub scales 1, 2, 3 and 4 are in the adapted Tables **15** below (again, probability errors are not statistically robust). The Gießen-Test sub scales 5 and 6 are in Tables **16** and **17** below.

Table 15

Test/Scale	SCL1	SCL2	SCL3	SCL4	SCL5	SCL6	SCL7	SCL8	SCL9
1. Extra.	1.69	1.74	2.45	3.56	3.21	3.22	2.11	1.11	
2. Verträ.	2.37	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
3. Gewis.	2.07	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
4. Neuro.	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
2. Alt	13	13	13	13	13	13	13	13	
2. Ge	1	1	1	1	1	1	1	1	
pK	36.45	9.837	13.253	60.468	34.238	27.846	7.183	39.310	
Prob.	0.0000	0.0072	0.0026	0.0000	0.0000	0.0000	0.0073	0.0000	
Wurz.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Table 16

Test/Scale	SCL1	SCL2	SCL3	SCL4	SCL5	SCL6	SCL7	SCL8	SCL9
1. Extra.	1.69	1.74	2.45	3.56	3.21	3.22	2.11	1.11	
2. Verträ.	2.37	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
3. Gewis.	2.07	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
4. Neuro.	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
2. Alt	13	13	13	13	13	13	13	13	
2. Ge	1	1	1	1	1	1	1	1	
pK	36.45	9.837	13.253	60.468	34.238	27.846	7.183	39.310	
Prob.	0.0000	0.0072	0.0026	0.0000	0.0000	0.0000	0.0073	0.0000	
Wurz.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Table 17

Test/Scale	SCL1	SCL2	SCL3	SCL4	SCL5	SCL6	SCL7	SCL8	SCL9
1. Extra.	1.69	1.74	2.45	3.56	3.21	3.22	2.11	1.11	
2. Verträ.	2.37	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
3. Gewis.	2.07	2.47	2.54	1.9	2.25	2.4	2.66	1.98	
4. Neuro.	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
2. Alt	13	13	13	13	13	13	13	13	
2. Ge	1	1	1	1	1	1	1	1	
pK	36.45	9.837	13.253	60.468	34.238	27.846	7.183	39.310	
Prob.	0.0000	0.0072	0.0026	0.0000	0.0000	0.0000	0.0073	0.0000	
Wurz.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Hypothesis V is discussed and discounted.

Hypothesis VI is the examination of the hypothesis that the experimental group would show higher degrees of self-acceptance than the controls. Tables were the GITE-S (Test of Social Competence), the GITE-Z (Test of Somatisierung—Interpersonal Sensitivity and from the FSKN show the Frankfurt Self-Concept Scales (Frankfurt Self-Concept Scales). The GITE-S is Gießen-Test — Differentiating attributes of self-awareness, showing authoritarian traits or self-effacing submissive qualities. The GITE-Z is Gießen-Test — Differentiating attributes of control — either uncontrolled behavior or over-controlled behavior. The FSKN is Frankfurter Selbstkonzeptskalen (Frankfurt Self-Concept Scales) — Differentiating attributes of vitamina, showing authoritarian traits or self-effacing submissive qualities. The FSKU is Frankfurter Selbstkonzeptskalen (Frankfurt Self-Concept Scales) — Differentiating attributes of vitamina, showing authoritarian traits or self-effacing submissive qualities. The FSKN and FSSA, as noted in Table **2** are both at a probability level of 0.0000.

Hypothesis VII is the examination of the hypothesis that the experimental group would show greater potential, ability to express emotions, ability to deal with emotions, awareness of responsibility, etc.

This hypothesis drew from the following scales for confirmation and support. From the FSKN, the sub scales of FASL, FSAS, FSKN, FSKU, FSKN, FSSA, FSSE and FSWS. From the GITE-S, GITE-Z, GITE-A, GITE-N, GITO-S, GF1, GF2, GF3, GF4, GF5, GF6, FSKN, FSKU, FSKN, FSSA, FSSE, FSWS,