Ethnomedical documentation of and community health education for selected Philippine ethnolinguistic groups: the Dibabaon people of Laak, Compostela Valley Province, Philippines

## A collaborative project of

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#### **EXECUTIVE SUMMARY**

The Philippines has many indigenous people belonging to more than 120 distinct ethnolinguistic groups. Each ethnolinguistic group has a rich culture of practices, including those which refer to healing of their sick people. Mostly living in the mountains, they depend on herbal plants and other natural products to treat their sick. There is need to document, and hopefully preserve the beneficial healing traditions of our indigenous peoples. This study documented the ethnomedical knowledge of five Dibabaon communities in the municipality of Laak, Compostela Valley Province. This included the plants and other natural products being used as medicinal agents by the Dibabaon people and their beliefs and practices on health, diseases and healing. We also prepared culturally acceptable health education messages. Social preparation was established by coordinating with the local government unit of Laak and holding consultation meetings with the leaders of the Dibabaons who gave the approval to conduct the study in the communities. The researcher lived and integrated with these communities during the period from July 1999 to May 2000. Conducting informal meetings, pulong-pulongs and community involvement were done to gain trust and closeness with the highlanders. In data gathering, actual interviews among Dibabaons who had knowledge on medicinal plants were conducted. To validate the gathered data the researcher used focus group discussions. Seven major informants were selected and interviewed based on their reputation of active practice of traditional healing in the community. Other informants included mothers and guides who could identify medicinal plants. Participant observation was also done by the researcher in documenting traditional health practice, during rituals, manawagtawag or calling of their abyan (spiritfriend) for the researcher's blessing and guidance and during child delivery, methods used by the baylan and the managamhunay for easy and safe delivery. Collection of specimen vouchers was done based on the availability of the plants in the area. Guides were selected based on the recommendation of the baylan and his knowledge of identifying the plants. We were able to collect only 23 plant samples as the others were hard to find. The need for a community-based health program should be established in these Dibabaon communities to sustain urgent health services and an educational program to help in the advocacy to preserve their rich tradition not only in health but in all aspects of their culture.

#### **KEYWORDS**

Baylan Ethnomedical

Dibabaon Philippines Ethnolinguistic

#### INTRODUCTION

Far beyond the fast-paced rhythm of modern life there is another reality, older perhaps than the first recorded civilizations. It is a way of seeing the world that is as old as human consciousness itself. It is the way of the indigenous people's traditional healer or *baylan* who dwells in the realm of spirit and myth. What they do is a mystery to most people. Many believe that the indigenous people have a common origin in our country, the Philippines which is home to more than 13 million indigenous peoples belonging to more than 120 distinct ethnolinguistic groups. Most of the indigenous Filipinos live in the mountains or their fringes, or near the sea. They are found throughout the archipelago.

Modern civilization is slowly overcoming the indigenous culture of the Dibabaon people especially the world of the traditional healers. Many names have been called them: quack doctor, priest, artist, visionary, master of ecstasy. In the past, they have been branded as sorcerers, witch doctors, charlatans and voodoo priests. Today some claim they can perform miracles, while others dismiss their knowledge as worthless superstition. To western civilization, *baylans* and their enduring view of life remain a provocative, challenging mystery. With their ancient traditions, they can give us a sense of what we all once were. In their memories may lie the origin and essence of the entire human race, filled with the scents and sounds and possibilities of an Earth vibrant with life. We must go back to a world where *baylanism* exists, before that world is gone.

Very few studies have been done on indigenous Philippine medicine. We wish to address the need to document, and hopefully, preserve and propagate the beneficial healing traditions of our indigenous peoples. We also wish to search for potentially useful therapeutic agents among the ethnomedical practices of our indigenous peoples before the said healing traditions are overcome by the twin threats of forest and sea degradation, and onslaught of lowland mainstream culture.

We hope that with the information that we shall gather from the research, we shall be able to help in the advocacy for the right of the indigenous peoples and for the preservation of their ancestral homelands in consonance with preserving the biodiversity of our country's forest and seas.

For this particular research we focus on the Dibabaon people of Compostela Valley Province particularly in the municipality of Laak.

### SIGNIFICANCE OF THE STUDY

Understanding the indigenous healing practices of the Dibabaon people requires a great deal of knowledge about their history, culture, beliefs, and traditions on healing practices. It is on this knowledge that we can arrive and strive to capture the rich traditions of healing practices of the Dibabaon people. Many so-called modern drugs are derived from the medicinal or herbal plants used by indigenous peoples. This study attempted to find out the indigenous healing practices of the indigenous people as a first step in discovering drugs and other uses of plants.

### **OBJECTIVES**

The objectives of the study were:

- 1. To document the plants and other natural products being used as medicinal agents by the Dibabaon people;
- 2. To document their beliefs and practices on health, disease and healing;
- 3. To prepare culturally acceptable health education messages for the Dibabaon people;
- 4. To help in the advocacy to preserve the indigenous peoples' ancestral homelands. as well as the biodiversity of their ecosystem

#### **METHODOLOGY**

The researcher gained the acceptance of the community by coordinating with the local government unit of Laak, holding courtesy calls and appointments with the municipal mayor and municipal tribal chieftain down to the barangay and tribal leaders. Several consultation meetings were held with these persons and the community who gave the approval to conduct the study in the Dibabaon communities. The National Commission for Indigenous Peoples (NCIP) also helped the researcher in identifying contacts in the community.

Study sites were selected based on criteria to capture the rich tradition of healing practices of the Dibabaon people.

Key informants were selected based on their reputation of active practice of traditional healing in the community. Eight major informants particularly *baylans* and *managamhunays* were identified and interviewed. Other informants included mothers and guides who could identify medicinal plants that they were using.

The researcher had a hard time searching for written documents on the culture of the Dibabaon people because there were not enough records from different institutions, museums and school libraries.

Actual interviews were conducted to gather information about the medicinal plants and other natural products used by the traditional healers or by community.

The researcher also did participant observation, particularly on the *manawagtawag* calling or recognizing his *abyan* in asking permission and to bless the researcher during the plant collection activity which was done in the dwellings of the *diwatas*. The researcher also conducted focus group discussions among the community's health care givers to validate and evaluate the documented medicinal plants.

Plant collection was done on the last month of the study. Only 23 plants were collected due to the unavailability the documented medicinal plants and the short collection time.

Whenever Dibabaons see themselves on photographs, they seem happy and keep on asking for another shot. They also enjoy listening to their recorded voice and ask to keep on playing it repeatedly for them or for their fellow tribesmen to hear.

The Dibabaon community in the different study sites together with the elders and the traditional healers were gathered to validate the information regarding the medicinal plants and on Dibabaon people whom the researcher was able to document for further corrections and suggestions by the community.

### **ACTIVITIES DONE**

A literature search was conducted first so the researcher could familiarize himself with culture of the Dibabaon people. Different government agencies were contacted particularly the National Commission for Indigenous Peoples to gain access to the said research. The local government unit of the municipality of Laak was also sought for the permission to conduct the research study. Community meetings, community gatherings and informal meetings were also conducted to gain entry and to help the community understand the importance of the study. Community integration, immersion and involvement were conducted to gain trust from the community. Key informants were selected based on their reputation and knowledge about herbal medicines and traditional healing practices, their uses and preparations for common ailments. Focus group discussions were also conducted to document and validate the effectiveness of the documented *materia medica*.

Several *pulong-pulongs* were also conducted in the usual hangouts of the people such as *sarisari* stores and resting huts (*puroks*) regarding the importance and significance of the study.

The study was conducted in the interior part of the municipality of Laak, Compostela Valley Province where concentration of the Dibabaon people is very high and where they still practice their culture. The areas covered were Sitios Magaad, Kinabalian, Tagmanok and San Miguel, all in Brgy Kidawa and in Brgy Bullocan, Laak, Comval Province.

Data was gathered through actual interviews with the key informants and the people living in the communities. Thirty-one plants were documented in Brgy Bullocan. After gathering information on the traditional healing practices and the different materials used, plant and material samples were gathered for taxonomy and documentation purposes. Photodocumentation and audiodocumentation were also conducted to reinforce and supplement the findings of the study.

#### RESULTS AND DISCUSSION

### THE DIBABAON PEOPLE OF LAAK

The Dibabaon people are sometimes referred to as Divavaoan, Dibabawon and Debabawon. A very high concentration of the Dibabaon is found in the interior part of the municipality of Laak, ComVal Province. They are also found in the southern part of Agusan and in the western part of Monkayo, ComVal Province, westward to the Saug River and north of the Maputi creek and the Buan river.

### The beginnings of the Dibabaon people

Datu Makawoy was the son of a couple whose names could not be recalled by even their forefathers who told the story. Datu Makawoy was known by their tribe as a man of mystery. He was born on the grave of his mother as she was pregnant when she died. When his father visited the grave of his mother on the ninth month of her death, he saw a baby on the grave. Without any hesitation, he took the baby and believed that the baby was his son. He called the baby Makawoy or in Cebuano term Makaluod because he breastfed himself on his dead mother.

Datu Makawoy became the bravest man who ever lived during his time. He was also the first *bagani* or warrior of his tribe. As time went by, he was rewarded with two sons, Mandavon and Dagohoy. Together they fought in times of war and were never defeated. They became the most respected and feared men in their place and in neighboring towns. Their names were popular not only in terms of fighting or war but also in leading their tribe. They were known to be mighty and strong, always on top, and always settled on top of the mountains. Since then Datu Makawoy called themselves Debabaons or Debabawons which means *ibabaw* in Tagalog and Cebuano for they were superior and lived on top of the mountains.

#### **Beliefs of the Dibabaon**

Talihan is the one whom Dibabaons believed to be their guide in everyday living. If they have a journey, they ask Talihan if they should pursue the journey. Talihan is the one who gave signs of danger and good ways of their journey or other activities in life.

It is also believed that Talihan came from the *tagamalings* who are invincible, good spirits sent by God to protect and watch over them. *Tagamalings* are the good spirits who were sent by God to protect and watch them. *Tagamalings* are the ones who warn the people if misfortune is coming their way. *Tagamalings* were also the ones who took care of Datu Makawoy when he was inside the womb of his dead mother.

### **Customary laws of the Dibabaon**

The Dibabaons have their own laws and judicial proceedings. If one broke the law, he was tried by their own judge called *maghuhukom*. *Hustesiya sa Debabawon* was first made by the first *Maghuhukom* in the person of Ampunan, one of the sons of Mandavon. Together, the *maghuhukom* and the *babaylanon* or the *baylan* are the ones who interrogate the person suspected to break the law. For the ceremonies and rituals prior to the hearing or trial, the *babaylanon* prepares a huge pan called *kawa* with boiling water in it, fueled by firewood made of an *alho* (a wooden mortar). The *baylan* also places a bracelet under the *kawa* and the *babaylanon* and the *maghuhukom* starts the trial.

The suspect's hands are placed inside the *kawa* with boiling water. If he feels the heat, then he is guilty of the crime. If the suspect cannot feel anything, he is acquitted of the crime.

#### Dibabaon soldiers/warriors

The Dibabaons called their warriors *amada*. *Amadas* were created by Mandavon to protect them and kill whoever attacks their tribe. In times of war (*pangayaw*), these men with no forgiveness kill all men and capture some for slaves.

### **Social-political structure**

Males are more powerful. They are the heads of the family and even of the community. Females are the ones who do the household chores. In farming, males swidden and plow the field. The females do the rest of the work until the crop is harvested.

### Hunting

In hunting, Dibabaons used the *kawit*, a spear they use to kill wild pigs. A *kawit* approximately weighs a kilo. It has an iron head and a long wooden body. There are two kinds of spear which they use, the *kawit*, one with an iron spearhead and the *iwagud*, a spear with a bamboo spearhead, used as a *batik* or trap.

*Busog* and the *pana* or the bow and arrow are also used by the Dibabaons for hunting. Other hunting equipment includes the *bari*, a curved knife with an outer edge blade and the *sundang* or the jungle bolo used to cut a tree or branch of a tree.

### The making of a datu

According to Alfredo T Tiamsom, Mandayas, Atas, and Dibabaons attended the ceremony. It was the installation of two new *datus*. Early in the morning, two altars were erected in the grounds adjacent to the palace of Carlito Buntas. Instead of blood sucking, the blood of a chicken was allowed to trickle down the flooring of the altar, then to a bundle of *anitos* (around 15) tied together. The man to be installed was seated in a throne surrounded by all the chieftains present.

A *baylan* received from Buntas a chicken egg, and with this in one hand, and the other brandishing a *kampilan*, the dancing commenced until a trance-like effect became discernible (this took around 15-20 minutes). The *baylan* then approached the candidate, one end of the egg was opened to remove the white, and then the *baylan* dropped the yolk on the palm of the candidate. If the yolk breaks, the ceremony is immediately stopped. This is understood to mean that the *diwata* is not favorably inclined to the man being made a *datu*.

#### Marriage

Dibabaon male and female do not make their own arrangements in marriage. The parents are the ones who make arrangements. If the parents see their daughter making arrangements with a fellow, the parents will send their daughter to a relative in a far place. The boy's father informs the girl's parents on his initial visit that his son would like to marry their daughter. If the girl likes this fellow, her father now decides and makes arrangements on the bride's dowry. The boy's parents must take care of paying debts incurred by the girl.

#### **Economy**

# **Agriculture**

During the dry season, men burn and till the land until is ready for planting rice or root crops. Clearing and burning of primary vegetation (in Dibabaon term galas) on areas to be planted with rice had to be completed before the planting season begins, particularly from mid January to March. Cultivation of upland rice and plowing the field for corn production are major concerns during these months. During this time, farming takes priority over other activities.

Women play a major role in this season. After the men have cleared and tilled the land, they are the ones who continue cultivating the land and maintaining the field. Both men and women plant rice. The upland method of planting is called *hasok* where the ground is dug using a pole and rice is placed in the hole in the ground.

Besides planting and cultivating the farm, women also spent much time as primary caregivers to their children and doing domestic activities such as food preparation and firewood collection.

#### Abaca

Dibabaons have for a long time engaged in the abaca fiber industry. Abaca plants are abundant in the interior and forested part of the municipality. Some of the Dibabaons go to the hinterlands of Agusan Sur to gather abaca. They also use these fibers for their dresses. They weave and dye them and make them into clothing materials.

#### **Ethnic musical instruments**

The *kudlong* is a two-stringed musical instrument used by Dibabaons for expressing one's self and for rituals done by the *baylans*. Sometimes they play it for relaxation and as an accompaniment for a lullaby. The *kudlong* is also used for special occasions. Adela Andao, a *kudlong* player from Sitio Magaad learned to play it when she was young. She learned it from an uncle who gave her the *kudlong*. Now, she is sad that her children and grandchildren do not know how to play the *kudlong*. She is afraid the rich ethnic music of the Dibabaons will vanish. The *gimba* is a musical instrument of the Dibabaon like a drum or a tam-tam with deerskin. It is used in rituals, war dance and other social gatherings. The *pa-indag* or a bamboo flute with a deep-toned rhythm usually played during quiet moments.

# Dibabaon tale of creation

Long before the dinosaurs lived, there was no land in this planet. There was water that enveloped the Earth. God or Magbabaya then called all the birds and asked them if they saw land. All of the birds that had shook their heads save for one – the *limukon*, *who* said, "yes, I saw a portion of land". Magbabaya told him to get some soil. The *limukon* flew and brought some soil. When the *limukon* arrived, Magbabaya equally divided the soil among the birds and commanded them to scatter the soil. Magbabaya used his power to create the beauty and wonders of the Earth which was then full of water. He created all creatures, great and small. As the soil brought by the *limukon* was, still the biggest portion of the Earth is water. *Limukon* is considered by the Dibabaons as a bird of luck.

### STUDY SITE DESCRIPTION

### **Geographic location**

Laak is located at the north central of Compostela Valley Province, at 8<sup>0</sup>00' to 7<sup>0</sup>38'51.73" latitude and 125<sup>0</sup>40' to 125<sup>0</sup>59'30" longitude. It is bounded on the north by the province of Agusan del Sur; on the east by the municipality of Monkayo; on the southwest by Kapalong and on the south by Aasuncion (all of Davao province). It is approximately 110 kilometers northeast of Davao City, the regional center, 55 kilometers north of Tagum City and 80 kilometers from Nabunturan, the provincial capital.

#### Land area

The municipality of Laak covers a total land area of 85,500 hectares representing 10.5 percent of the total land area of Davao Province. The municipality is composed of forty regular *barangays*, the largest of which is Brgy Kidawa covering an area of 22.14 percent of the municipality of Laak.

### Location and accessibility

The study site is located in Barangay Kidawa, particularly the two *sitios* of San Miguel and Magaad which have high concentration of the Dibabaon cultural group. It is 150 km northeast of Davao City, 95 km north of Tagum City and about 180 km from the eastern side of Butuan City. It is found at geographical coordinates latitude 7°54′00" to 7°56′00" and longitude 126°50′00" to 126°56′00". The area is approximately 200-500 m above sea level. It can be reached through public transportation using bus or a motorcycle locally named *habal-habal* from Davao City passing through Asuncion town, Compostela Valley or through Trento from Agusan del Sur side at Brgy Bullocan.

#### Climate

The area has a typical type II climate characterized by a short dry season and a very pronounced rainy period. The mean average rainfall is about 168.37 mm. From June

to December, the average rainfall is 172.52 mm. Average lowest temperature is 27.24°C and the average highest temperature is 28.22°C recorded in January and May, respectively.

### **Topography**

Topography of most of the *barangays* is characterized by undulating hills to rolling uplands with elevation ranging from 100 to 300 meters and slopes greater than 8 percent. This covers about 80.11 percent of the land. The most suitable land is used for agro-forestry and for planting corn, bananas and vegetables.

The lowlands represent only about 13.92 percent of the land. This provides the most important development resources for various agricultural, industrial and settlement needs of the future population growth in the area.

The highlands correspond principally to mountainous areas with extremely steep slopes. This is where most of the remaining forest covers of the area are found, located in the northwestern part of the municipality.

The highest peak is Mt Ampawid approximately 844 meters above sea level.

Kidawa has rolling rugged terrain. It has a wide range of hilly and rolling uplands with an elevation of 200-500 meters above sea level and average slopes of 25-30 percent. The land is suitable for farming and agroforestry employing diversification of species and multicropping. The lowland can be converted to rainfed and irrigated rice production areas.

The *barangay* site and its flat areas are suitable for irrigated rice farming but needs expertise to realize the development plans. Three major mountains are found in the northeastern portion of Barangay Kidawa proper, namely, Tagmanok, Kinabalian and Maroot.

#### Water resources

The water resources of Kidawa, Laak, ComVal Province come from three major rivers (Kinabalian, Tagmanok and Baubo) and from several minor tributaries and noticeable patches of wetlands at the lower slope near the flat areas. The water resource system has several head water sources which are potential sources of potable water and for agricultural water requirements. Some of these rivers and wetlands are currently undergoing development such as for irrigation and fishpond activities.

### **Mother tongue**

In 1995, Cebuano ranked first as the principal tongue of 68.85 percent of the people of Laak, followed the Dibabaon at 11.59 percent, Boholano at 8.14 percent and others at 11.52 percent. At the study site, 85% of the people are Dibabaon.

### DIBABAON CONCEPT OF ILLNESS, HEALTH AND HEALING

Dibabaons perform a solemn sacrifice called *balilig (balilic)* to reap a good harvest, to achieve victory over the enemy and to cure some ailments. They also believe that offended deities in forested parts or in some areas where their dwellings are disturbed by any person can cause sickness. If not propitiated, the offended deity can even cause death. It is the *baylan's* task to ask the offended *busaw* (evil spirit) for forgiveness and to leave the ailing person. Also, they believe that when the lowlanders come to their place and cut the trees, many misfortunes have come to their lives and they think that the offended deities that own and live in the forest have punished them.

A person who is healthy is a person who is lively, works in the field for their food and to earn money and has no ailment that attacks his/her body system. Some of Dibabaons hide their ailments and body conditions. They have to work even if they do not feel well. They feel that they have to work for the benefit of their families and due to poverty.

## LIFE STAGES

The life stages of the Dibabaons are as follows: Infant – *Maintuk pad na bata* Child – *Maaslag na bata* Adolescent – *Ulitawhay ud* Adult – *Manigaun* Elder – *Apo* 

### **DIBABAON HEALING PRACTICES**

#### Practices of the baylan

The *baylan* is a spiritual healer, a person who is thought to have healing powers that come from the supernatural, often through dreams and visions. It is also believed that he is able to cast out evil spirits as well as cure sick people.

The baylan's healing practices differ in various areas. In performing rituals, some baylans use white chicken and its products (egg, heather, etc) as their sacrifice in

calling the offended deities to recognize their offenders. Others use pigs depending on the illness and the weight of the offense. As they chant to call their *diwatas*, they throw a spear or a *kawit* to the pig and then suck the pig's blood.

The *baylan* would often call earthly spirits in healing practices or other Dibabaon rituals. These spirits are called their *abyan*. In performing rituals, the *baylan* uses an *agong*, *gimba* (their term for *tambol*, a wooden drum covered with deerskin) and *humaginghings* (brass bells) and performs a *baylan*'s dance.

In their world, the individual, the community, and the environment are woven together in the world of spirits. In each community there is one *baylan* who mediates between all these forces and keeps them in balance.

The *baylan* and his community share a set of beliefs that form a collective worldview that dominates the psychological and physical experience of each person. One difference between their view and ours is that we separate the physical and the spiritual world. They do not. In their minds there is no barrier between dream and reality, and they move easily between one and the other.

The *baylan* is both physician and priest, and the condition of the spirit is as important as the body's physical state. Having dealt with the spiritual aspect of the illness, the *baylan* will now prescribe a herbal remedy to deal with the physical ailment.

Young generations of the Dibabaon people, distracted by the fast-paced rhythms of modern world, and are losing interest in becoming *baylans*.

### The making of a baylan

Salvador Ente, aka, Eday, a *baylan*, got his knowledge when he was just 25 years old in his workplace. He was an abaca fiber worker, *manghagkutay* or extractor. One day in the field an abaca fiber stood in front of him. He tried to strike it with a *sundang*, a jungle bolo. He struck it several times but was not able to hit it. He stopped striking it and a man appeared and talked to him, "why are you hitting me when I will not do harm to you. I appeared to you because I want you to cure people. Accommodate anyone who needs your knowledge and curing power for I will be at your side helping you." Since that time, he knows when someone needs his help. At first, he was afraid he could not cure people but when the time came for him to cure people the *abyan* helped him.

Abraham Dilag, aka Abla, is a *baylan* and at the same time, a *managamhunay*. He said he has been in the practice of traditional medicine for almost 30 years. He got his knowledge as a *baylan* a long time ago and developed it. His knowledge as *managamhunay* or local midwife was learned from his ancestors. He is also a registered midwife in his *barangay*.

### Practices of the managamhunay or mananabang

The *managamhunay* is a female local midwife and herbal healer. Most of the *managamhunays* have their own methods of assisting births and healing. Her forefathers taught the knowledge she has.

She applies *hilot* or traditional accupressure to expectant mothers during their pregnancy period to place the fetus in its proper position or to induce pregnancy. In the practice of *hilot*, most *managamhunays* apply certain herbs to expectant mothers for their health and for their babies'. On the day of birth, *managamhunay* uses previously heated *palwa sa pasan* (rattan leaf sheath) to cut the umbilicus (*pusod*) of the infant. The *matenanu* or placenta is below the house for safekeeping and for the good health of the baby. Most of the *managamhunays* are female.

#### The making of the managamhunay or mananabang

Pacita Ente is a *managamhunay*. She got her skills from her forefathers and by participant observation in times of actual delivery.

Rosalinda Amak, aka Manang Sapian, a *managamhunay*, from Sitio Magaad also got her skills from her forefathers who taught her at an early age. She enhanced her knowledge by watching and helping her mentor deliver babies.

Luisa Tabag, a *managamhunay* and key informant from Brgy Bullocan got her knowledge from assisting delivery of babies when she was young. She enhanced her knowledge and skills during her younger days. Her *abyan* also help her in assisting deliveries.

### OTHER ACTIVITIES DONE

The researcher also interacted with the Dibabaon children in Bullocan during their play time. He helped in household chores like fetching water, feeding the animals (carabaos, etc). The researcher also participated in social gatherings like *panagtigum* where the elders and women gather and play their ethnic instruments, dance and sing to refresh their traditional songs, music and dances.

### Witnessing a child delivery

The researcher witnessed an expectant mother together with the *baylan* and the *managamhunay* waiting for the infant to come out. The expectant mother was on labor for 3 days, it was her first expected baby. For 3 days the *managamhunay* never left the expectant parents to assist them in delivering their first baby. The expectant mother held on to a hanging rope with her husband, while the *managamhunay*, the *baylan* and others awaited for the baby to come out. The *baylan* examined the womb of the mother after she passed water.

The *managamhunay* offered a chicken and did some ritual prior to the delivery of the child. The offering to the *diwatas* and gods was for safe delivery. The

managamhunay utter Dibabaon words, offered the chicken up into the air and put some blood on the abdomen of the expectant mother in pain.

The researcher together with the key persons had waited for the baby to come out for almost two hours of heart-pounding tear-dropping moment when the expectant mother cried in pain and struggled for dear life. A healthy baby was delivered at 11:40 am, May 14, 2000.

The researcher shed a tear after a tremendous and wonderful moment in his life witnessing the delivery of a baby. The reason for the delay was the umbilical cord was coiled around the baby's body. For the Dibabaons, when the umbilical cord is coiled around the body they should place a floor scrub (made from coconut husk) above the head and tap it for some unexplainable reason.

The *baylan*, who is also a registered midwife, cut the umbilical cord of the baby using medical scissors. He said that before, they used the leaves of rattan to cut the umbilical cord. The baby was given her first bath.

The researcher also conducted community gatherings in validating information on the documented medicinal plants. At the same time, the Dibabaon community rendered their various ethnic dances and played traditional musical instruments. The Dibabaon community together with the *baylans*, *managamhunays* and the elders also showed some methods of healing patients spiritually and physically including the *baylan's* dances and chants.

### **Case history**

The researcher encountered an interesting male traditional healer. He had a soft-toned voice, like that of an old woman's, and tattoo in his eyebrows. Abraham Dilag, aka, Abla, is a transvestite *baylan* who is also a registered or licensed *barangay* midwife whose occupation is traditional healing and handling child deliveries in Laak and nearby towns. Abla does not have a wife and lives alone in his small house situated near the *barangay* proper, ready for emergencies. Despite his being a cross dresser, he has a good reputation and is one of the most respected people in the community. Unlike other male healers, he hangs around with his fellow *managamhunays*. He plants *camote*, corn and vegetables in his farm for his and his relatives' consumption.

#### RECOMMENDATIONS

We have all these long years under foreign influence and orientation dismally failed to look inward and deep into our roots on which to base what and how we are to learn. The researcher recommends the development of well-defined and direct educational plans and actions for our indigenous people. Establishment of formal schools developing a culture of their own, rich in knowledge, skill and values. Such knowledge, skills and values should be transmitted to succeeding generations through techniques and methods arising from the indigenous people's own ingenuity and tradition.

The need for a community-based health program should be established in these Dibabaon communities to sustain urgent health services. An educational program should also be established to help in the advocacy to preserve their rich tradition not only in health but in all aspects of their culture.

## **REFERENCES**

- Tiamson AT. Dibabaon-Mandaya forms of oral literature. A preliminary report. Davao City, Philippines: Ateneo de Davao University, 1988.
- Togon AS. Indigenous medicinal plants and practices of ten ethnic tribes in Mindanao, 1995-1996.
- Ampunan Datu Matapid Laloy. *Mga unod sa sinulat nga kasaysayan sa* Debabawon, 1999.
- Smith J. Dibabaon Text, 1960-1963.

# **APPENDICES**

Table 1. Average rainfall of Laak

Laak experiences 2 prevailing wind directions; the northeasternly wind or the *amihan* which prevails from December to April while the southwesternly winds or the *habagat* occurs from June to November.

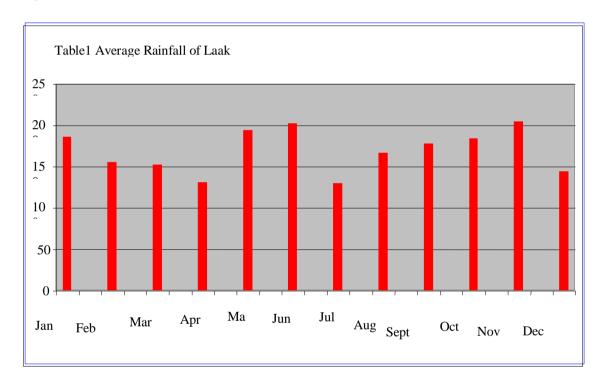


Table 2. Average temperature of Laak

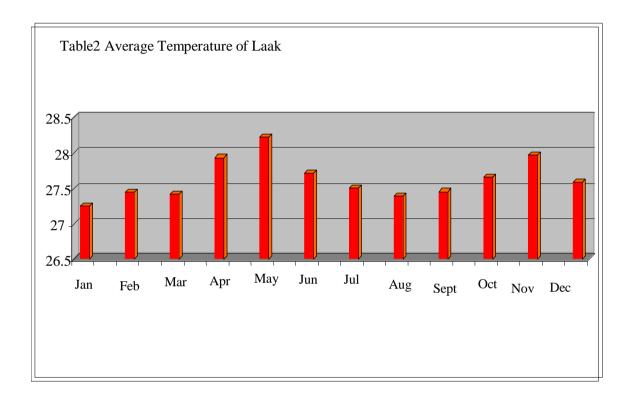


Table 3. Documented materia medica of the Dibabaon people of Laak

Local name(s): *Agutay* (Dibabaon)

	/ 0 / \	/		
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Wounds	Ubod	Get the sap of the	Drop some sap on	3 individual
		ubod.	the affected part.	interviews
			_	1 FGD of 5

Scientific name:

Local name: Amayong (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
As child's	Roots	Boil in water and	Drink the	5 individual
vitamin		let it cool.	decoction.	interviews

Scientific name: Blumea balsamifera

Local name(s): Alinkakan (Dibabaon), gabon (Cebuano), sambong (Tagalog)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Rheumatism	Leaves	Preheat the	Rub on the	4 individual
		leaves.	affected part.	interviews
				2 FGD of 7
Malaria	Leaves	Boil in water.	Drink the	3 individual
			decoction.	interviews
Cough	Leaves	Extract the juice	Drink the juice.	5 individual
		of the leaves.		interviews
				2 FGD of 5
Colds	Leaves	Boil in water.	Drink the	5 individual
			decoction.	interviews
				1 FGD of 7
Swelling	Leaves	Preheat the	Place the	4 individual
		leaves.	preheated leaves	interviews
			on the affected	
			part.	
Excessive	Leaves and	Boil in water.	Drink the	5 individual
bleeding	roots		decoction.	interviews

Local name(s): *Adgao* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used	_	and remarks	information
Galing sa	Leaves	Boil in water.	Use the water in	3 individual
sakit			taking a bath.	interviews
(For				
recuperating patients)				

# Scientific name:

Local name(s): *Anagdong* (Dibabaon)

200011101110(8	200ar name(s). Thus works (Broadwar)				
Indication	Plant part(s)	Preparation	Direction for use	Source of	
	used		and remarks	information	
Cough	Bark	Get some bark.	Boil the bark in	4 individual	
			water and drink.	interviews	
Body pains	Bark	Cut the bark.	Boil the bark in	3 individual	
			water and drink	interviews	
			decoction.		

# Scientific name:

Local name(s): *Aga-un* (Dibabaon)

20 tur 1101110 (5): 1130 tur (2 10 tue tue 11)				
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Stomachache	Bark	Boil the bark in	Drink the	3 individual
		water.	decoction.	interviews

## Scientific name:

Local name(s): Abihid (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Stomachache	Root bark	Boil in water.	Drink the	2 individual
			decoction.	interviews

Scientific name: Persea americana

Local name(s): Avocado

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Stomachache	Leaves	Boil in water.	Drink the	5 individual

	decoction.	interviews
		2 FGD of 5 and 7

Local name(s): *Amangpangan* (Dibabaon)

	/ 01 0	_ '		
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Sore eyes	Sap	Cut the young	Drop some sap on	2 individual
		branch and get	the affected eyes.	interviews
		the sap.		2 FGD of 5 and 7

Scientific name: Cassia alata

Local name(s): Asunting (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Tinea	Leaves	Clean the leaves.	Rub the leaves on	5 individual
			the affected part.	interviews

## Scientific name:

Local name(s): *Bawbagun* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Abortifacient	Trunk	Boil it in a small	Drink the	4 individual
		amount of water.	decoction.	interviews
				2 FGD of 5 and
				7
Bughat	Trunk	Boil in water.	Drink the	4 individual
(Post partum			decoction.	interviews
relapse)				2 FGD of 5 and
				7

# Scientific name:

Local name(s): *Ba* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Birth spacing	Water or	Cut the plant and	Drink the water	4 individual
	sap	get the sap or	or sap.	interview
		water.		2 FGD of 5 and 7

# Scientific name:

Local name(s): Balite (Dibabaon)

Indication Plant part(s	Preparation	Direction for use	Source of
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	used		and remarks	information
Fracture	Bark	Get the bark	Place the bark on	5 individual
		which is	the fractured part.	interviews
		equivalent to the	_	
		fractured part.		

Local name(s): *Babanganon* (Dibabaon)

\ /	0 \			
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Wounds	Sap of the	Cut the bark and	Drop some sap on	4 individual
	bark	get the sap.	the wounds.	interviews

# Scientific name:

Local name(s): *Bianggud* (Dibabaon)

20 tui 14 11 10 (c), 2 tui 1 <sub>0</sub> 0 tui (2 10 40 40 11)					
Indication	Plant part(s)	Preparation	Direction for use	Source of	
	used		and remarks	information	
Bughat	Bark	Boil in water.	Drink the	3 individual	
			decoction.	interviews	

# Scientific name:

Local name(s): Cogon (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
To induce	Roots	Collect roots	Drink the	6 individual
delivery		equivalent to an	decoction.	interviews
		arm then boil in		
		water.		

# Scientific name:

Local name(s): Dabo-dabo (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Cough	Leaves	Boil in water.	Drink the	2 individual
			decoction.	interviews

## Scientific name:

Local name(s): Dugo-an (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Bughat	Root bark	Boil the root bark	Drink the	3 individual
		in water.	decoction.	interviews

## Scientific name:

Local name(s): Dita (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Malaria	Bark	Boil in water.	Drink the	4 individual
			decoction.	interviews
				2 FGD of 5 and 7

Scientific name:

Local name(s): *Gapas* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Bughat	Roots	Boil in water.	Drink the	5 individual
			decoction.	interviews
Headache	Leaves	Preheat the	Place the	4 individual
		leaves.	preheated leaves	interviews
			on the head.	

Scientific name: Psidium guajava

Local name(s): *Bayabas* (Dibabaon, Tagalog)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Stomachache	Leaves	Boil in water.	Drink the	4 individual
			decoction.	interviews
	Shoots	Boil in water.	Drink the	4 individual
			decoction.	interviews

# Scientific name:

Local name(s): Hayagna (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Goiter	Leaves	Boil in water.	Drink the	4 individual
			decoction.	interviews

# Scientific name:

Local name(s): *Hilbas* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Bughat	Leaves	Boil in water.	Use the water in	6 individual
			for bathing.	interviews

## Scientific name:

Local name(s): *Hagonoy* (Dibabaon)

Local name(s). Tragonoy (Diododon)				
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Infected	Leaves	Preheat the	Extract the juice	7 individual
wounds		leaves.	and drop it on the	interviews

	infected wound.	

Local name(s): *Handamay* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used	_	and remarks	information
Swelling	Bark	Pound the bark.	Place the pounded	4 individual
			bark on the	interviews
			affected part.	

# Scientific name:

Local name(s): *Ipil-ipil* and deer bone

Boear name (s)	Zotal hame(b): If it if it and does some				
Indication	Plant part(s)	Preparation	Direction for use	Source of	
	used		and remarks	information	
Rheumatism	Ipil-ipil	Burn the bone	Drink the	2 individual	
	wood and	using the <i>ipil-ipil</i>	concentrate.	interviews	
	deer bone	wood as			
		firewood. Wait			
		until it turns to			
		ashes and dilute			
		in a glass of			
		water.			

# Scientific name:

Local name(s): *Kalabo* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Cough	Leaves	Preheat the leaves	Drink the juice.	5 individual
		and extract the		interviews
		juice.		1 FGD of 7

# Scientific name:

Local name(s): Kisol (Dibabaon)

· · · · · · · · · · · · · · · · · · ·	`	·	T	
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Cough	Sap of the	Pound the fruit	Apply on the	3 individual
	fruit	and extract the	patient's chest.	interviews
		juice.		
Convulsion	Sap of the	Pound the fruit	Apply all over the	3 individual
	fruit	and extract the	patient's body.	interviews
		juice.		

# Scientific name:

Local name(s): Kosta (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Swelling	Leaves	Pound the leaves.	Place the pounded	
			leaves on the	
			affected part.	

# Scientific name:

Local name(s): Lauan

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Cough	Bark	Boil in water.	Drink the	5 individual
			decoction.	interviews
				1 FGD of 5

# Scientific name:

Local name(s): *Lunas* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Abortifacient	Bark	Boil in water.	Drink the	3 individual
			decoction.	interviews
				2 FGD of 5 and 7
Snake bite	Bark	Chew the bark or	Apply around the	5 individual
		mix with snake	bitten part.	interviews
		oil.		2 FGD of 5 and 7
Stomachache	Bark	Boil the bark in	Drink the	4 individual
		water.	decoction.	interviews
				2 FGD of 5 and 6

# Scientific name:

Local name(s): *Langilan* (Dibabaon)

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Eye disorder	Sap	Extract the juice	Put some drops	3 individual
		of the bark.	on the affected	interviews
			eyes.	1 FGD of 7

# Scientific name:

Local name(s): *Lakatan* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Wounds	Leaves	Pound the leaves.	Put the pounded	5 individual
			leaves on the	interviews
			wound.	

Scientific name:

Local name(s): Labana

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Fracture	Leaves	Collect leaves	Preheat the leaves	3 individual
		which are	and place on the	interviews
		equivalent to the	swollen part.	
		affected part.		

Local name(s): Litan-ag (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Stomachache	Root bark	Get one handspan	Drink the	5 individual
		of the root and	decoction.	interviews
		boil in water.		

Scientific name:

Local name(s): *Libugananon* (Dibabaon)

` ′		,		
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Sore eyes	Sap	Cut the stem and	Put some drops	4 individual
		get the sap.	on the affected	interviews
			eyes.	

Scientific name:

Local name(s): Mansanitas (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Stomachache	Leaves	Boil in water.	Drink the	3 individual
			decoction.	interviews

Scientific name:

Local name(s): Mayana

<b>2004</b> 1 Humo (8)				
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Swelling	Leaves	Pound the leaves.	Place the pounded	6 individual
			leaves on the	interviews
			swollen part.	
Cough	Leaves	Boil in water.	Drink the	5 individual
			decoction.	interviews

Scientific name:

Local name(s): *Nato* (Dibabaon)

Zoeur name (b): 1 (wo (Broadour)				
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Swelling	Roots	Pound the roots.	Place the pounded	3 individual
			roots on the	interviews

swollen area.	

Local name(s): Naga (Dibabaon), narra (Cebuano)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Malaria	Bark	Boil the bark in	Drink the	5 individual
		water.	decoction.	interviews
				2 FGD of 5 and 7

# Scientific name:

Local name(s): *Paitan* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Abortifacient	Bark	Boil in water.	Drink the	6 individual
			decoction.	interviews
				1 FGD of 7
Diarrhea	Bark	Boil in water.	Drink the	6 individual
			decoction.	interviews
				1 FGD of 7
Infected	Bark	Burn the bark and	Put the ash on the	6 individual
wound		get the ash.	wound.	interviews
				1 FGD of 7
Snake bite	Bark	Chew the bark.	Rub it around the	6 individual
			bitten area.	interviews
				1 FGD of 7
Malaria	Bark	Boil the bark in	Drink the	6 individual
		water.	decoction.	interviews
				1 FGD of 7
Stomachache	Bark	Boil in water.	Drink the	6 individual
			decoction	interviews
				1 FGD of 7
Kabuhi	Bark	Boil in water.	Drink the	6 individual
(Epigastric			decoction.	interviews
pain)				1 FGD of 7
Colds	Bark	Soak the bark in a	Drink the	6 individual
		hot cup of water.	decoction.	interviews
				1 FGD of 7
Diarrhea with	Bark	Boil in water.	Drink the	6 individual
vomiting			decoction.	interviews
				1 FGD of 7

Local name(s): *Pan-pan* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Bughat	Sap	Get the sap.	Drink the sap.	3 individual
				interviews

# Scientific name:

Local name(s): Santol (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Cough	Bark	Boil in water.	Drink the	7 individual
			decoction.	interviews

# Scientific name:

Local name(s): *Sampinit* (Dibabaon)

	Zotal mano(s), samplim (Zieweweil)				
Indication	Plant part(s)	Preparation	Direction for use	Source of	
	used		and remarks	information	
Abortifacient	Roots	Boil in water.	Drink the	2 individual	
			decoction.	interviews	
Bughat	Roots	Boil in water.	Drink the	2 individual	
			decoction.	interviews	

# Scientific name:

Local name(s): *Panyawan* (Dibabaon)

Local hame(s): I anyawan (Dioadaon)				
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Toothache	Sap	Cut the vine and	Drop some sap on	5 individual
		get the sap.	the aching tooth.	interviews

# Scientific name:

Local name(s): Sili

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Tetano	Fruit	Collect some ripe fruit.	Press the fruit into the infected part.	4 individual interviews

Local name(s): *Saplid* (Dibabaon)

	Suprice (Brewe	··· /		
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Diarrhea with	Bark	Boil in water.	Drink the	3 individual
vomiting			decoction.	interviews
Diarrhea	Bark	Boil in water.	Drink the	3 individual
			decoction.	interviews
Stomachache	Bark	Boil in water.	Drink the	3 individual
			decoction.	interviews

Scientific name:

Local name(s): Saging dinurado (Dibabaon)

	0 0	,		
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Excessive	Roots	Boil in water.	Drink the	3 individual
bleeding			decoction.	interviews

Scientific name:

Local name(s): Payao (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Snake bite	Stem	Cut the stem	Place the stem	2 individual
		which is	into the bitten	interviews
		equivalent to the	part.	
		bitten part.		

Scientific name:

Local name(s): *Saging tundan* (Dibabaon)

20 th number (2). 20 30.03 th that (2 10 th 20 th)					
Indication	Plant part(s)	Preparation	Direction for use	Source of	
	used		and remarks	information	
Diarrhea	Unripe fruit	Boil in water.	Drink the	4 individual	
	plus dried		decoction.	interviews	
	leaves				

Scientific name:

Local name(s): *Tanglad* (Dibabaon)

Local hame(b). Tangtaa (Dioadan)					
Indication	Plant part(s)	Preparation	Direction for use	Source of	
	used		and remarks	information	
Cough	Leaves and	Boil in water.	Drink the	2 individual	
	roots		decoction.	interviews	
				1 FGD of 5	

Scientific name:

Local name(s): *Tubod* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
To initiate	Roots	Boil in water.	Drink the	4 individual
and increase			decoction.	interviews
lactation				

# Scientific name:

Local name(s): *Tuba-tuba* with red leaves (Dibabaon)

		\	,	
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Buyag-buyag	Leaves	Preheat the	Rub on the entire	3 individual
(Ailment		leaves.	body.	interviews
caused by				
earthly				
spirits)				

## Scientific name:

Local name(s): *Takipan* (Dibabaon)

Zovar name (e). Tempen (Ziewewen)				
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Wounds	Bark	Cut the bark and	Drop the juice on	5 individual
		extract the juice.	the wounds.	interviews

# Scientific name:

Local name(s): *Togop* (Diababon)

	O - F ( 111 111	/		
Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Diarrhea	Bark	Boil in water.	Drink the	4 individual
			decoction.	interviews
				2 FGD of 5 and 7
Stomachache	Bark	Boil in water.	Drink the	4 individual
			decoction.	interviews
				2 FGD of 5 and 7

## Scientific name:

Local name(s): Tuba-tuba (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Body/muscle	Leaves	Preheat the	Place the leaves	6 individual
pains		leaves.	on the aching	interviews
			part.	
Fracture	Leaves	Preheat the leaves.	Place the preheated leaves on the fractured portion.	6 individual interviews
Stomachache	Bark	Boil in water.	Drink the	4 individual

			decoction.	interviews 2 FGD of 5 and 7
Swelling	Leaves	Preheat the leaves.	Place the preheated leaves on the swollen part.	6 individual interviews

Local name(s): *Tubod* (Dibabaon)

Indication	Plant part(s)	Preparation	Direction for use	Source of
	used		and remarks	information
Stomachache	Bark	Boil in water.	Drink the	4 individual
			decoction.	interviews
				2 FGD of 5 and 7
To initiate	Roots	Boil in water.	Drink the	4 individual
and increase			decoction.	interviews
lactation				2 FGD of 5 and 7

Scientific name:

Local name(s): *Kasili* (Dibabaon)

Indication	Part used	Preparation	Direction for use	Source of
			and remarks	information
To induce	Tail	Burn the tail until	Place the ash on	3 individual
delivery		it turns to ashes.	the abdomen.	interviews

Table 4. Index of plants used according to diseases

Plant Part(s) used	Preparations	Directions
--------------------	--------------	------------

Cough

Cougn			
Dabo-dabo	Leaves	Boil the leaves in	Drink the decoction.
		water.	
Anagdong	Bark	Get a portion of the	Chew the bark.
		bark which is	
		chewable.	
Mayana	Leaves	Boil in water.	Drink the decoction.
Tanglad	Leaves/Roots	Boil in water.	Drink the decoction.
Kalabo	Leaves	Extract the juice.	Drink the extracted
			juice.
Santol	Bark	Boil in enough	Drink the decoction.
		water.	
Alikakaam (Gabon)	Leaves	Boil in enough	Drink the decoction.
		water.	
Kisol	Duga sa unod	Pound the <i>unod</i> and	Apply it to the
	(Sap of root)	get the sap.	patient.
Lauan	Bark	Boil in water.	Drink decoction or
			chew the bark.

# Convulsion

Kisol	Duga sa unod	Pound the <i>unod</i> and	Apply it on the
		get the sap.	patient.

Kabahung

Rabaning			
Paitan	Bark	Burn the bark until	Put the ashes on the
		it turns to ashes.	affected part.
Unname	Trunk	Preheat the trunk.	Place the heated
			trunk on the affected
			part.
Hagonoy	Leaves	Preheat the leaves.	Extract the juice and
			drop on the affected
			portion.

# Wounds

Agutay	Ubod	Get the sap of the	Put some sap on the
		ubod.	affected part.
Babanganon	Sap of the bark	Cut the bark and get	Drop some sap on
		the sap.	the affected part.
		_	_
Takipan	Bark	Cut the bark and get	Drop some sap on
		the sap.	the affected part.
Lakatan	Leaves	Pound the leaves.	Apply on the
			wound.

# Snake bite

Pay-ao	Trunk	Cut some trunk which is equivalent to the bitten part.	Place the trunk on the bitten part.
Paitan	Bark	Cut bark into chewable size.	Chew the bark and with the saliva rub it around the bitten part.
Unname	Fruit	Roast the fruit and pulverize.	Place it on the bitten part.
Lunas	Bark	Chew the bark.	Rub it around the bitten part.

# Malaria

Dita	Bark	Boil in water.	Drink the decoction.
Alikakaam (Gabon)	Leaves	Boil in water.	Drink the decoction.
Paitan	Bark	Boil in water.	Drink the decoction.
Naga (Narra)	Bark	Boil in water.	Drink the decoction.

Piang

Balite	Bark	Get some bark which is equivalent to the affected part.	Place the bark around the affected area.
Tuba-tuba	Leaves	Preheat the leaves.	Place the leaves around the affected area.
Labana	Leaves	Get some leaves which is equivalent to the affected part.	Place the leaves around the affected area.

# Toothache

1 oothicene	70 tildelle				
Panyawan	Sap	Cut the stem of the	Put some drops on		
		vine and get the sap.	the eyes.		

#### Stomachache

Mansanitas	Leaves	Boil in water.	Drink the decoction.
Aga-un	Dalag sa panit	Boil in water.	Drink the decoction.
Togop	Bark	Boil in water.	Drink the decoction.
Lunas	Bark	Boil in water.	Drink the decoction.
Saplid	Bark	Boil in water.	Drink the decoction.
Lunas na kahoy	Bark	Boil in water.	Drink the decoction.
Guava	Leaves	Boil in water.	Drink the decoction.
Guava	Shoots	Get enough shoots.	Chew the shoots.
Abihid	Root bark	Get one dangaw of	Drink decoction
		root bark and boil in	
		water.	
Litan-ag	Root bark	Get one dangaw of	Drink the decoction.
		root bark and boil in	
		water.	
Paitan	Bark	Boil in water.	Drink the decoction.
Avocado	Leaves	Boil in water.	Drink the decoction.

#### Kabuhi

Uway	Dalin sa uway	Peel the <i>uway</i> and soak in water.	Drink the decoction.
Paitan	Bark	Boil in water.	Drink decoction.

## Colds

Alikakaam	Leaves	Boil in water.	Drink the decoction.
Paitan	Bark	Soak bark in hot	Drink the decoction.
		water.	

## Sore eyes

Libugananon	Sap	Cut the stem and get	Drop some sap on
		the sap.	the affected eyes.
Uwag	Sap	Cut the stem and get	Drop some sap on
		the sap.	the affected eyes.
Amang pangan	Sap of palwa na	Cut some palwa and	Drop some sap on
	linghod	get the sap.	the affected eyes.

Swelling

B 11 CHING			
Alikakaam (Gabon)	Leaves	Preheat the leaves.	Place the heated

			leaves on the
			affected area.
Tuba-tuba	Leaves	Preheat the leaves.	Place the heated
			leaves on the
			affected area.
Nato	Roots	Cut some young	Chew clean roots.
		roots.	
Kosta	Leaves	Pound.	Place on the
			affected area.
Handamay	Bark	Pound.	Place on the
			affected area.
Mayana	Leaves	Pound.	Place on the
			affected area.

## Noka-noka

Hagonoy	Leaves	Preheat the leaves.	Press the leaves and
			let the juice drop on
			the infected portion.

#### Rheumatism

Terroumanism			
Ipil-ipil +	Wood +	Burn the bone using	Drink the decoction.
Deer	Bone	the <i>ipil-ipil</i> wood	
		until it turns to	
		ashes. Soak the	
		ashes in a glass of	
		water and wait until	
		the water is clear.	
Alikakaam (Gabon)	Leaves	Preheat the leaves.	Place on the
			affected part.

## Abortifacient

Sampinit	Roots	Boil in water.	Drink the decoction.
Lunas	Bark	Boil in water.	Drink the decoction
			or chew the bark
Paitan	Bark	Boil in water.	Drink the decoction
			or chew the bark.
Bawbagun	Trunk	Boil in water.	Drink the decoction
			or chew the bark.

#### Goiter

Hayagna	Leaves	Boil in water.	Drink the decoction.	

## Tetano

Sili	Fruit	Get some ripe fruits.	Press the fruit on the
			affected part.

Birth spacing

1			
Ва	Water or sap	Cut some and get	Drink.
(Uway na tunukon)		the sap or water.	

Diarrhea with vomiting

Saplid	Bark	Boil in water.	Drink the decoction.
Paitan	Bark	Boil in water.	Drink the decoction.

## Diarrhea

Aga-un	Dalag sa panit	Boil in water.	Drink the decoction.
Saging tundan	Unripe fruit +	Boil in water.	Drink the decoction.
	dried leaves		
Togop	Bark	Boil in water.	Drink the decoction.
Saplid	Bark	Boil in water.	Drink the decoction.
Paitan	Bark	Boil in water.	Drink the decoction.

## Gikan nasakit

Adgao	Leaves	Boil in water.	Use the water for
			bathing.

Himughat

Hilbas	Leaves	Boil in water.	Use the water for
			bathing.
Vicks	Leaves	Boil in water.	Use the water for
			bathing.
Bawbagun	Trunk/	Boil in water./	Drink the
	Sap	Get the sap.	decoction./
			Drink the sap.
Gapas	Root	Boil in water.	Drink the decoction.
Sampinit	Root	Boil in water.	Drink the decoction.
Pan-pan	Sap	Get some sap.	Drink.
Dugo-an	Roots/	Boil in water.	Let the mother drink
	Bark		the decoction.
Bianggud	Bark	Boil in water.	Drink the decoction.

#### Panuhot

Tuba-tuba	Leaves	Preheat the leaves	Place the leaves into
			the affected area

Eye disorder

Langilan	Sap	Get the sap.	Put some drops on
			the eyes.

### To initiate or increase lactation

Tubod	Roots	Boil in water.	Drink the decoction.
_ *** * **			

Buyag-buyag

1/2 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3			
Tuba-tuba	Leaves	Preheat the leaves.	Rub on the entire
(red leaves)			body.

Excessive bleeding

Saging dinurado	Roots/ Puso	Boil in water. Boil in water.	Drink the decoction.  Drink the decoction.
Gabon	Leaves/ Roots	Boil in water.	Drink the decoction.

To induce delivery

Kasili	Tail	Burn the tail until it	Place ash on the
		turns to ashes.	stomach.
Cogon	Roots	Collect as many	Drink the decoction
		roots as you can and	upon labor.
		boil in water.	

## Headache

Gapas	Leaves	Collect some leaves	Place heated leaves
		and preheat.	on the forehead
Avocado	Leaves	Boil in water.	Drink the decoction.

#### Kalintura

Abihid	Root bark	Boil in water.	Drink the decoction.
Litan-ag	Root bark	Boil in water.	Drink the decoction.
Alikakaam (Gabon)	Leaves	Preheat the leaves.	Place heated leaves
			on the forehead.
Paitan	Bark	Boil in water.	Drink the decoction.

### Tinea

Asunting	Leaves	Collect some	Rub on the affected
		healthy leaves.	part.

## Bath for newborn

Gabon	Leaves	Boil in water.	Use the boiled water
			as bath for the
			newborn.

Table 5. List of diseases and plants used

Diseases/Ailments	Plant(s) used	
Swelling	Tuba-tuba, alikakaam, handamay, nato, kosta	
Piang	Tuba-tuba, balite, labana	
Panuhot	Tuba-tuba	
Wounds	Lakatan, takipan, babanganon, agutay	
Stomachache	Avocado, litan-ag, abihid, bayabas, lunas nga	
	kahoy, saplid, togop, aga-un, lunas, mansanitas	
Headache	Avocado, gapas	
Diarrhea	Avocado, saplid, togop, aga-un, saging tundan	
Kalintura	Litan-ag, abihid, alikakaam	
Rayuma	Alikakaam	
Colds	Alikakaam, paitan	
Cough	Alikakaam, dabo-dabo, kalabo, santol, mayana,	
	anagdong, tanglad	
Malaria	Alikakaam, bita, paitan, dita	
Gikan nasakit	Adgao	
Kabahung	Unname, paitan	
Sore eyes	Uwag, amang-pangan	
Snake bite	Unname, paitan, pay-ao, lunas	
Diarrhea with vomiting	Saplid, paitan	
Toothache	Panyawan	
Abortifacient	Lunas, paitan, sampinit	
Himughat	Pan-pan, gapas, hilbas (vicks or minted and non	
	minted)	
Diperensya sa mata	Langilan	
To initiate or increase lactation	Tubod	
Buyag-buyag	Tuba-tuba nga pula og dahon	
Tinea	Asunting	
Excessive bleeding	Saging dinurado	
Birth delay	Ikog sa kasili	
Pasmo	Sampinit	

Table 6. Dibabaon terms and translation

English	Filipino	Dibabaon
TT 1	111	
Head	Ulo	0
Hair	Buhok	Bubul
Face	Mukha	Nawong
Eyes	Mata	Mata
Ears	Tainga	Talinga
Nose	Ilong	Simod
Mouth	Bibig	Baba
Teeth	Ngipin	Ngipon
Breath	Hininga	Gin-awa
Hands	Kamay	Buwad
Feet	Paa	Po-od
Breast	Suso	Du-du
Blood	Dugo	Langsa
Saliva	Laway	Luway
Urine	Ihi	Ihi
Stool	Tae	Indus
Nail	Kuko	Su
Skin	Balat	Kindu
Father	Ama	Amuy
Mother	Ina	Inuy
Grandfather	Lolo	Apo
Grandfather	Lola	Apo
Son	Anak	Anak
Daughter	Anak	Anak
Husband	Asawa	Asawa
Wife	Asawa	Asawa
Root	Ugat	Dalid
Leaf	Dahon	Da-on
Flower	Bulaklak	Bulak
Seed	Buto	Liso
Fruit	Bunga	Bugas
Unhusked rice	Palay	Umay
Husked rice	Bigas	Bugas
Cooked rice	Kanin	Kaunan

Gruel	Lugaw	Bibog
Rice water	Am	-
Fruit	Bunga	Bugas
Sky	Langit	-
Cloud	Alpaap	-
Earth	Lupa	Pasak
Wind	Hangin	Kamag
Lighting	Kidlat	Kilat
Thunder	Kulog	Lugong
Water	Tubig	Wahig
Rain	Ulan	Udan
Spring	Bukal	Tubod
Brook	Batis	Maintuk
River	Ilog	Sapa
Mountain	Bundok	Untod
Farm	Bukid	Uma
Forest	Gubat	Guwangan
Rock	Bato	Bato
Typhoon	Bagyo	Bagyo
Sky	Langit	Langit
Cloud	Alapaap	Gabon
Black	Itim	Maitum
White	Puti	Puti
Red	Pula	Malugdug
Blue	Asul	-
Green	Berde	Malunaw
Yellow	Dilaw	Mala-ag
Violet	Lila	-
Orange	Dalandan	-
Chicken	Manok	Manok
Pig	Baboy	Baboy
Carabao	Kalabao	Karabaw
Dog	Aso	Iro
Cat	Pusa	Kuko
Rat	Daga	Ambao
Mosquito	Lamok	Tagnok
Fly	Langaw	Langaw
Snake	Ahas	Mamang
Danaga		
Banana	Saging	Saging
Papaya	Papaya	Kapayas
Coconut	Niyog	Niyog
Narra	Narra	Naga
Weed	Damo	Bagnot

Plant	Halaman	-
Sweet potato	Kamote	Kamote
Yam	Gabi	Apuy
Onion	Sibuyas	Sibuyas
Squash	Kalabasa	Kaubasa
Salt	Asin	Asin
Sugar	Asukal	Asukar
Cooking oil	Mantika	Mantika
Meat	Karne	Karne
Fish	Isda	Isda
Honey	Pulot	Duga
Cassava	Kamoteng kahoy	Balanghoy
Sun	Araw	Aruw
Moon	Buwan	Buwan
Stars	Bituin	Bito-on
Shooting star	Bulalakaw	-
Clean	Malinis	Malinis
Dirty	Madumi	Maligsum
Good	Mabuti	Madayaw
Bad	Masama	Maroot
Cold	Malamig	Mahagsig
Hot	Mainit	Mapasu
Big	Malaki	Maaslag
Small	Maliit	Maintuk
East	Silangan	Silatan
West	Kanluran	Saupan
North	Hilaga	Amihan
South	Timog	Abagatan
Upstream	Ilaya	Diraya
Downstream	Ibayo	Bayo
Eat	Kumain	Kaun
Drink	Uminom	Inum
Plant	Magtanim	Magtanum
Harvest	Mag-ani	Magani
Wash	Maghugas	Hugas
Fetch water	Umigib	Magsauk
Rest	Magpahinga	Pahuway
Brush teeth	Magsipilyo	-
Wipe	Magpunas	Pamaid
Boil	Pakuluan	Ugsabo
Clean	Maglinis	Maglinis
Tired	Pagod	Kapoy

Soul	Kaluluwa	Ispirito
Body	Katawan	Lawa
God	Diyos	Magbubuot/Magbabaya
Nature	Kalikasan	Pamatasan
God	Diwata	Diwata
Day	Araw	Aruw
Week	Linggo	Susimana
Year	Taon	Katuigan
Morning	Umaga	Masaum
Afternoon	Hapon	Ma-apon
Night	Gabi	Madukilum
One	Isa	Sabook
Two	Dalwa	Daruwa
Three	Tatlo	Tatuw
Four	Apat	-
Five	Lima	-
Six	Anim	-
Seven	Pito	-
Eight	Walo	-
Nine	Siyam	-
Ten	Sampu	Sampu
One hundred	Sandaan	Isa gatus
One thousand	Sanllibo	Sa libo
Fever	Lagnat	Ingluw
Cough	Ubo	Ubo
Diarrhea	Pagtatae	Inindus
Colds	Sipon	Sipaun
-	Ginaw	Mahagsig
Dysentery	Disenteria	Inindus
Malaria	Malaria	Ingluw
Wound	Sugat	Pali
Abdominal pain	Sakit ng tiyan	Masakit to gutok
Headache	Sakit ng ulo	Masakit to u
Rheumatism	Rayuma	Takud
Hemorrhage	Pagdudugo	Maaslag to langsa
Tinea	An-an	Ap ap
Measles	Tigdas	Tipdas
House	Bahay	Bauy
Window	Bintana	Bintana
Floor	Sahig	Saug
Roof	Bubong	Atup
Toilet	Kubeta	Kasilyas

Clothes	Damit	Sabinit
Slippers	Tsinelas	Sinilas
Friend	Kaibigan	Amigo
Foe	Kaaway	Kadumot
Neighbor	Kapit-bahay	Silingan
Relative	Kamag-anak	Parinti
Leader	Pinuno	Datu
Elder	Matanda	Apo
Rich	Mayaman	Sapi-anan
Poor	Mahirap	Pobre
Love	Mahal	Liyag

# Figures

Figure 1. View from Bullocan, Laak, Compostela Valley

Figure 2. Bamboo raft (gakit) in Baubo river

Figure 3. Dibabaon traditional dance with coconut leaves

Figure 4. Araw ng Laak 2000 (Laak Day)

Figure 5. Kudlong player

Figure 6. Gimba player

Figure 7. A Dibabaon baylan

Figure 8. A Dibabaon traditional birth attendant (managamhunay) applies chicken blood on the expectant mother's abdomen



Figure 10. Abaca worker

Figure 11. Gathering information in a drinking session

Figure 12. Collecting plant specimen in the forests of Bullocan, Laak

## Maps

Map 1. Municipal map of Laak with the study sites highlighted

Map 2. Map of Davao Province with San Vicente (Laak)

#### **Key informants**

Egmedio I. Bangoy

ca 50

Male

Farmer

San Miguel

Kidawa, Laak, ComVal Province

Arsenio Andao

71

Male

Farmer

Magaad

Kidawa, Laak, ComVal Province

Adela Andao

ca 50

Female

Farmer

Magaad

Kidawa, Laak, ComVal Province

Godofredo Bangoy

ca 50

Male

Farmer, Tribal chieftain

San Miguel, Kidawa, Laak, ComVal Province

Molinda Amak

ca 40

Female

Farmer

Upper Magaad

Kidawa, Laak, ComVal Province

Abraham Dilag, aka Abla

ca 50 Male Registered midwife, *baylan* Bullocan, Laaak, ComVal Province

Luisa Tabag 60 Female Registered midwife, *managamhunay* Bullocan, Laak, ComVal Province

Rosalinda Amak 45 Female Farmer, Local midwife Lower Magaad Kidawa, Laak, ComVal Province

Datu Cruz Bacudan ca 50 Male Farmer, Tribal leader Kidawa, Laak, ComVal Province

Datu Buhay Ampunan ca 50 Male Farmer, Tribal leader Kinabalian Kidawa, Laak, ComVal Province

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