

TABLE 2. MEDICAL USES OF SEVEN DIFFERENT PLANTS DESCRIBED BY THE HEALERS IN THE REGIONS OF DOILA, KOLOKANI AND SIBY; MALI.

Plants	Indications	Preparation and use of the remedy	Number of citations	Total Number of citations	% related to each plant
<i>Opilia celtidifolia</i>	Dermatitis	<p>- a decoction of leaves is used daily as bath for 2 days.</p> <p>- leaf decoction is used as bath and the powder as ointment on dermatitis lesions, use until healed.</p> <p>-An infusion of leaf powder is used as bath and drunk.</p> <p>- decoction of the leaves of <i>O. celtidifolia</i> and the stem bark of <i>Khaya senegalensis</i> is used as bath.</p> <p>- a macerate of the roots of <i>O. celtidifolia</i> is made with some water used for washing <i>Shorgum vulgare</i> seeds; drink one teacup of the macerate 3 times daily for 1 week.</p>	20 1 1 1 1	24	19.1
	Malaria	<p>-drink the leaf decoction 1-2 times daily and use as a bath for 3 days; this remedy can induce diarrhoea; which antidote is a cold bath.</p> <p>-make a macerate of the roots of <i>O. celtidifolia</i> made with water used for washing the seeds of <i>Sorghum vulgare</i>, drink the macerate daily.</p>	14 1	18	14.4

	Neuralgic Malaria	<p>- a decoct of the leaves of <i>O. celtidifolia</i> plus the leaves of <i>Trichilia emetica</i> is made and 1 teacup drunk 2 times every day until cured, the remedy can induce dizziness, nausea and vomiting, if so stop the treatment.</p> <p>-boil the leaves in water plus the juice of <i>Tamarindus indica</i> fruit; drink the filtrate until healed.</p> <p>-crush the leaves in water, use the filtrate as bath.</p>	1 1 1		
	Abdominal pain	<p>-drink the leaf decoction and use it as bath.</p> <p>-drink the root decoction in the morning and evening for 2 days. If diarrhoea occurs, the antidote is the powder of the fruit of <i>Piliostigma thonningii</i>.</p> <p>-add the leaf powder to porridge and eat; vomiting can arise for this treatment.</p> <p>-the 24h macerate of the root is drunk once daily for 2 days. This remedy can not be given to pregnant women.</p> <p>-mix the leaf powder with <i>Penesetum sp</i> seed</p>	7 2 2 1	13	10.3

		powder, use the mixture for making porridge and eat. The remedy can induce vomiting.	1		
	Appetizer	-the leaf decoction is drunk as appetizer -mix the leaf powder in porridge and eat; or make an infusion with the powder and drink. -make a decoction of the leaves added to the fruit of <i>T. indica</i> or add the powder of leaves to an infusion of <i>T. indica</i> fruit and drink; this treatment can induce diarrhoea	10 2 1	13	10.3
	Taeniasis and intestinal worms	- drink the leaf decoction, moderate diarrhoea can be induced by the treatment. -mix the leaf powder with <i>Penesetum sp</i> seed powder, eat the mixture on an empty stomach. The treatment can induce vomiting and diarrhoea, drink porridge against the vomiting and diarrhoea. -drink the leaf powder infusion. -drink the root decoction or the powder infusion in the morning with an empty stomach and do not eat until noon. The treatment can induce moderate diarrhoea.	4 3 1 1	9	7.1
	Headaches	-use the leaf decoction as head steam bath and for washing.	2	6	4.8

		<ul style="list-style-type: none"> -the leaf decoction is drunk, used as steam bath and head wash once everyday for 6 days. -mix the leaves with the root of <i>Ximenia americana</i>, drink the decoction and use as bath. -use the leaf powder for fumigation of the head. 	2 1 1		
	Tiredness	<ul style="list-style-type: none"> - the decoction of the leaves of <i>O. celtidifolia</i> and <i>Annona senegalensis</i> is used as a bath. - the leaf decoction is used as bath and drunk. - the leaves crushed in water is used as bath and drunk. 	2 1 1	4	3.2
	Sexual Asthenia	<ul style="list-style-type: none"> -drink the leaves decoction until healed. -eat the leaf powder. -drink the decoction of the leaves of <i>O. celtidifolia</i> and the fruit of <i>Xylopi aethiopica</i> with sugar, in the evening. -t he leaves of <i>O. celtidifolia</i>, the <i>Lorantus sp</i> of <i>Khaya senegalensis</i> and the fruit of <i>Borassus aetiopum</i> are burnt and pound, the powder is mixed in the sauce and eaten until cured. 	1 1 1 1	4	3.2
	Chest pain	-the leaf decoction is used as a steam bath and as bath.	2	3	2.4

		-the leaf powder is used for fumigation of the chest 2 times daily for 6 days.	1		
Wound healing		-wash the wound with the stem bark decoction of <i>Terminalia sp</i> and apply the fresh leaves crushed or the leaf powder of <i>O. celtidifolia</i> . -apply the powder of the leaves of <i>O. celtidifolia</i> and <i>Guiera senegalensis</i> to the washed wound. -apply the concentrated decoction of the leaves to the washed wound until healing.	1 1 1	3	2.4
Intoxications		- a leaf decoction, is drunk and the filtrate used as bath one time daily for 3 to 4 days; in case of diarrhoea have a cold bath. - a decoction with the leaves of <i>O. celtidifolia</i> and the roots of <i>Swartzia madagascariensis</i> is made and drunk until healed	1 1	2	1.6
Nightmare		-the bark powder is used as ointment and fumigation at bed time. - drink the leaf decoction.	1 1	2	1.6
Constipation		-the root powder is mixed with curdled milk and drunk. 1 or 2 times are enough to cure constipation. -drink the leaf decoction.	1 1	2	1.6
Urinary calculus		-the concentrated decoction of <i>O. celtidifolia</i> and <i>Tamarindus indica</i> leaves or fruit is drunk 2	2	2	1.6

		times daily for 7 days.			
Dizziness		-drink the leaf decoction and use it as a bath.	2	2	1.6
Child Paralysis		-use the leaf decoction for washing and rubbing the feet until healed	2	2	1.6
Cataracts, Eye infection		-use the decoction of the leaves of <i>O. celtidifolia</i> and <i>Tamarindus indica</i> for washing the eyes 2-3 times daily for 15 days. -use the leaf decoction as eye wash.	1 1	2	1.6
Gastric Ulcer		-drink the leaf decoction and use it as bath.	2	2	1.6
Jaundice		-drink a decoction of the leaves and use it as bath until cured. -eat the powder of the leaves of <i>O. celtidifolia</i> and <i>Striga sp</i> in the morning and evening until healed.	1 1	2	1.6
Leprosy		-the leaf decoction is used in a bath with butter soap.	1		
Diarrhoea		-drink the leaf decoction and use it as bath.	1		
Genital infection		-use the leaf decoction as enema until healed.	1		
Asthma		-the leaves of <i>Opilia</i> are mixed to the <i>loranthus</i> of <i>Manelikara multiverdis</i> , the decoction of both is drunk, used as bath and steam bath 2 times daily for 4 days.	1		
Bite of snake or dog		-use the leaf decoction for washing and drink.	1		
Indigestion		-drink a root decoction in the evening.	1		

	Thinness	-the leaf decoction is used as bath and drunk.	1		
	Cold	-the leaf decoction is used as steam bath of the head and the chest and is drunk.	1		
	Amenorrhoea	-the decoction of the leaves of <i>O. celtidifolia</i> the roots of <i>Cochlospermum tinctorium</i> and <i>Exalobus monopetalus</i> is drunk, this treatment can induce moderate diarrhoea.	1		
	Female Sterility	-drink the root decoction, 1 glass every day until cured.	1		
	Spontaneous abortion	-add the leaf powder to porridge and eat.	1		
<i>Anthoceista djalonensis</i>	Malaria	-the maceration of root is drunk alone or with honey.	4	7	31.8
		-the leaf decoction is drunk	1		
- the root decoction added to honey is drunk.		1			
-drink an infusion of the root powder.		1			
	Abdominal Pain	-the root of <i>A. djalonensis</i> , the stem bark and the leaves of <i>Lansonia inermis</i> are mixed, the 2 days macerate of these ingredients is drunk for 7 days.	2	7	31.8
-drink he root decoction, this remedy can induce diarrhoea which can be cured by porridge consumption.		2			
-mix the roots powder into the porridge and eat; or drink a salty root powder infusion.		2			
		-drink one teacup of the 24 h macerate of the			

		roots of <i>A. djalonenensis</i> and <i>Swartzia madagascariensis</i> plus honey every day until healed.	1		
	Intoxication	-drink some milk to which leaf powder is added.	1		
	Amenorrhoea	-the powder of stem and root bark plus salt is eaten, or the decoction of both is drunk.	1		
	Sexual Asthenia	-the powder of stem or root bark plus salt is added to porridge or sauce and eaten.	1		
	Teniasis	-make a decoction of roots, add honey and leave it for 7 days of maceration. -drink one glass two times daily, this remedy can induce diarrhoea.	1		
	Fever	the decoction of leaves is drunk and used as bath.	1		
	Jaundice	-drink one teacup of the macerate of the roots of <i>A. djalonenensis</i> and <i>Swartzia madagascariensis</i> with honey every day until healed.	1		
	Haemorrhage	-the leaf decoction is used as steam bath and a bath.	1		
	Pregnancy Vomiting	-drink the leaf decoction 3 times daily until healed.	1		
<i>Erythrina senegalensis</i>	Amenorrhoea	-drink the leaf and flower decoction and use as bath.	2	3	27.3
		-drink and use the root decoction as enema to cure menstrual disorders in women	1		
	Sexual Asthenia	-eat the salty root powder until healed.	1	2	182
		-chew the fresh branch and use as tooth brush to	1		

<i>Heliotropium indicum</i>		cure sexual impotency.			
	Urinary Bilharzias	-drink a decoction of stem bark.	2	2	18.2
	Children dentition	-the leaf decoction is used as bath and given orally to children to cure diseases related to teething.	1		
	Malaria	-the leaf or root decoction is drunk and used as bath for 3 days.	1		
	Infertility	-drink root decoction one time daily for 20 days.	1		
	Dizziness	-leaf decoction is drunk and used as bath	1		
	Vomiting	-the leaf decoction can be drunk instead of the root decoction. - the root decoction is drunk for 1-2 days -drink the flower decoction.	2	4	40
			1		
			1		
	Amenorrhoea	-the root decoction is used as bath and drunk 3 days. -the decoction of the leaves and the stem bark of <i>Parkia biglobosa</i> is drunk at night for 7 days.	1	2	20
			1		
	Malaria	-the leaf decoction is drunk.	1		
High Blood-Pressure	-drink the leaf decoction.	1			
Baby Thinness	-drink the leaf decoction and use as bath 4 times daily for 10 days.	1			

	Ocular infections	-use the leaf decoction for washing the eyes.	1		
<i>Trichilia emetica</i>	Malaria	<p>-use the leaf decoction as bath and drink for 3-7 days; the decoction can induce dizziness when administrated in the morning on an empty stomach, also vomiting and diarrhoea. Drink lemon juice against the dizziness.</p> <p>-drink the stem bark decoction with honey and use as bath until healed.</p> <p>-drink the root decoction and used as a bath, sugar can be added to the decoction for drinking to make it more tasteful.</p> <p>-drink the root powder infusion.</p> <p>-the root is macerated for 7 days, the macerate is drunk for 3 days, or the root is macerated for 3 days with honey and drunk until healed.</p> <p>-drink an infusion of powdered stem bark and leaves.</p> <p>-drink the leaf and root decoction 2-3 times daily for 3 days.</p> <p>-the 10 days macerate of the root from <i>T. emetica</i>, <i>Pseudocedra kotschii</i>, <i>Cassia</i></p>	<p>18</p> <p>3</p> <p>2</p> <p>2</p> <p>2</p> <p>1</p> <p>1</p>	32	24.2

	<p><i>sieberiana</i>, <i>Nauclea latifolia</i> mixed with honey is drunk for 10 days.</p> <p>- a 3-4 hours decoction of ~ 5 Kg of dried stem bark plus the juice of 100 lemons and 10 litres of water is drunk, 1 teacup everyday until healed.</p> <p>-drink the decoction of <i>T emetica</i> and <i>Mitragyna inermis</i> stem bark 3 times every day until healed.</p>	1		
Abdominal pain	<p>-drink an infusion or decoction of the root or the leaf powder.</p> <p>-drink a leaf decoction and use it as bath.</p> <p>-drink an infusion of root powder mixed with salt in morning and evening.</p> <p>-drink the stem bark decoction or the powder infusion and use as bath until healed. Moderate diarrhoea can occur during the treatment.</p> <p>-the root bark is crushed and dried with lemon, the powder infusion is drunk.</p> <p>- drink the decoction of the root of <i>T. emetica</i> and those of <i>Tamarindus indica</i> the morning and evening until healed; moderate diarrhoea can arise during the treatment.</p>	9	25	18.9
		6		
		3		
		3		
		1		
		1		

		<p>-drink a macerate of <i>T. emetica</i> root and <i>Prosopis africana</i> stem bark, 1 teacup daily for 5 days, in case of diarrhoea have a cold bath.</p> <p>- drink the root macerate with honey for 5 days.</p> <p>The overdose of the remedy can induce diarrhoea.</p>	1		
			1		
	Dermatitis	<p>-use the leaf decoction as steam bath, as bath and drink.</p> <p>-apply the leaf powder on dermatitis lesions and use it for fumigation, or use the powder infusion for washing the lesions.</p> <p>-apply the powder from the bark or the root burnt to a cinder on the lesion washed with the bark decoction.</p>	6	10	7.6
			2		
			2		
	Haemorrhoid	<p>-the root bark is crushed and dried with black pepper ginger, and the fruit of <i>Xylopi aethiopica</i>, infusion of the powder is drunk every day until healed. Diarrhoea and vomiting can arise during the treatment, if so drink a decoction of <i>Strychnos spinosa</i> stem bark against this.</p> <p>-the root powder macerate in salt water is used as enema, or drink the root decoction.</p> <p>-use a macerate of root powder of <i>T. emetica</i> and <i>Securidaca longepedunculata</i> as enema for 3</p>	3	8	6.1
			2		

	<p>days. The remedy will induce diarrhoea which is its good effect.</p> <p>-crush and dry the root bark of <i>Temetica</i> and <i>Pseudocedrela kotschii</i>, use the infusion of the powder as enema.</p> <p>-drink the infusion of root powder or the decoction of the root 3 times daily before eating.</p>	1		
		1		
Jaundice	<p>-drink a leaf decoction for 7 days.</p> <p>-drink a concentrated decoction of root; or a root powder infusion until healed.</p> <p>-crush the root, add 2 litres of honey and 4 litres of water used for washing <i>Sorghum vulgare</i> seeds, macerate for 24 h and drink 3 times daily until healed.</p> <p>-drink the root decoction for 15 days.</p>	3 2 1 1	7	5.3
Chest pain	-drink the leaf decoction and use it as a bath, a steam bath and make chest massage with the decocted leaves.	7	7	5.3
Gastric ulcer	-crush the root bark with salt and ginger, consume the powder in porridge 2 times every day until healed, or take an infusion of the powder.	2	4	3

		-drink an infusion of root powder until healed or consume the powder into porridge for 1 month.	2		
	Digestive infection	-mix the salty root powder to sauce, coffee or porridge and consume. -drink the 3 days root maceration for 1 month. -drink a leaf decoction; it can induce moderated vomiting and diarrhoea. -make a decoction of the root of <i>Temetica</i> and the root of <i>Cassia sieberiana</i> , macerate the filtrate with honey for 5 days, and drink one teacup every morning on an empty stomach until healed.	1 1 1 1	4	3
	Female Sterility	-drink the leaf decoction of <i>T. emetica</i> and <i>Combretum molle</i> to induce fertility and conceiving. - consume the root powder added to ginger and salt in porridge to cure female sterility and its related stomach pain. -drink the root and seed decoction to induce fertility. - drink the leaf powder infusion made by milk.	1 1 1 1	4	3
	Headache	-drink the leaf decoction and use as head wash. -use the leaf powder for fumigation.	3 1	4	3
	Thinness	use the decoction of leaves as bath and drink	3	3	2.3

		alone or with sugar added.			
	Intoxication	-drink a macerate of root powder in milk, this remedy can induce diarrhoea and vomiting, if so take a cold bath to stop these symptoms or consume some porridge.	3	3	2.3
	Tiredness	-use a leaf decoction as bath. -Use the root powder as ointment and as a body massage.	2 1	3	2.3
	Leprosy	-drink the root decoction and use it as bath. -drink the leaf decoction and use as bath until healed.	1 1	2	1.5
	Urinary infection, bilharzias	-drink the decoction of the leaves and the fruits of <i>Sticnos spinosa</i> until healed. -drink a root powder infusion.	1 1	2	1.5
	Dysmenorrhoea	-use the leaf decoction of <i>Lorantus sp</i> from <i>Vitex doniani</i> and <i>T. emetica</i> as enema to stop bleeding after delivery. -drink a decoction of the leaves of <i>T. emetica</i> and <i>Tamarindus indica</i> or <i>Citrus limonene</i> for 7 days.	1 1	2	1.5
	Constipation	-drink a leaf or a stem bark decoction for 3 days. -drink the 7 days root macerate for 3 days.	1 1	2	1.5
	Abdominal flatulence	-drink the leaf decocts of <i>T. emetica</i> and <i>Opilia celtidifolia</i> . -drink an infusion of <i>Acacia nilotica</i> seed powder	1 1	2	1.5

		mixed to <i>T. emetica</i> root powder.			
	Ensorcelled	-use the leaf decoction as bath and drink. -Use the root maceration as bath and drink.	1 1	2	1.5
	Teniasis	-crush and dry the stem bark with the root of <i>Securidaca longepedunculata</i> , drink the macerate of the powder once daily for 1-3 days. Diarrhoea and vomiting can arise during the treatment.	1		
	Pneumonia	-drink and use as bath the leaf or root decoction for 12 days.	1		
	Swelling	-apply the root powder mixed with potassium hydroxide dissolved in little water.	1		
	Eye infection	-use the leaf and stem bark decoction as eye wash 2 times every day.	1		
	Cough	-drink a leaf decoction.	1		
	Breast pain	-use the leaf decoction as breast steam bath.	1		
<i>Piliostigma thonningii</i>	Malaria	- drink and use as bath the leaf decoction. -drink and use as bath the leaf powder macerate. -use a decoction of <i>P. thonningii</i> and <i>Guiera senegalensis</i> leaves as bath and drink. -the stem bark decoction is drunk and used as bath.	7 1 1	10	40

			1		
	Abdominal flatulence	-drink the leaf decoction.	4	4	16
	Malnutrition	-drink a leaf decoction.	2	2	8
	Dysentery	-consume the powder of the fruit mixed with salt.	1		
	Arthritis	use the powder of the fruit as ointment on joints.	1		
	Headache	-use the dried fruit for fumigation of the head.	1		
	Cough	-drink an infusion of the mixture of the stem bark powder from <i>P. thonningii</i> and <i>Anogeus leiocarpus</i> .	1		
	Wound healing	-use the root decoction for washing the wound and apply the powder of the root burnt to a cinder.	1		
	Haemorrhoid	-consume the powder of the fruit mixed with salt.	1		
	Jaundice	-use a leaf decoction as bath and drink.	1		
	Backache	-use the leaf decoction as bath.	1		
	Thinness	-consume the leaf powder in food.	1		
<i>Cochlospermum tinctorium</i>	Jaundice	-drink an infusion of root powder. -consume the root powder in porridge. -use the root macerate as bath and drink 7 times the same day or drink the root macerate with honey until healed.	4 3 3	14	42.4

		-boil eggs in the root decoction, use the decoction as bath and consume the eggs; the remedy can induce vomiting.	1		
		-use the root decoction for coking sauce or meat and eat.	1		
		--drink the root powder dissolved in the juice of <i>Tamarindus indica</i> fruit.	1		
		-drink an infusion of leaf powder added to honey at morning and evening for 7 days.	1		
	Malaria	--drink an infusion of the root powder or consume the root powder in porridge.	7	9	27.3
		-use the leaf decoction for cooking sorghum which is used as meal.	1		
		-drink the decoction of the root of <i>C. tinctorium</i> and <i>Swartzia madagascariensis</i> 2 times daily for 5 days.	1		
	Abdominal Pain	-consume eggs containing the root powder, or drink a root powder infusion 3 times every day until healed.	1	2	6.1
		-drink an infusion of root powder in the morning on an empty stomach.	1		
	Haemorrhoid	-consume sauce or porridge cooked with the root decoction 2 times weekly in 2 weeks.	1		
	Bilharzias	-consume porridge containing the root powder 2 times daily for 2 days.	1		
	Hepatitis	-consume the root powder mixed with onion and	1		

		garlic in porridge.			
	Teniasis and other intestinal worm	-make an infusion with the powder of the root crushed and dried with salt and the fruit of <i>Xylopi aethiopica</i> , drink in the morning on an empty stomach.	1		
	Snake bite	-the root macerate induces vomiting which eliminate snake poison.	1		
	Dysmenorrhoea	-drink the 24 hours root powder macerate.	1		
	Wound	-apply the root powder on the wound.	1		
	Pneumonia	-drink an infusion of root powder.	1		

The values of the percentage for the remedies reported only once are not given.

