FOLK SONGS USED IN MUSIC EDUCATION AND THEIR RHYTHMIC PROPERTIES

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Abstract

Music, which has a vital role in constructive attitude in today's education, and is a part of students' lives ranging from known to unknown, local to global, and traditional to universal, has to be affiliated with music education. The Traditional Turkish Folk Music, which is enriched with rhythm besides many other important specialties, has to be a part of every step of music education; it should not only be a part of the "Traditional Turkish Folk Music" course. This study aims to explain the rhythmic specialties of chosen Turkish Folk Songs in order to be used in music education. Approximately 4285 verbal and 500 nonverbal folk songs from TRT Turkish Folk Music repertoire were analyzed for the purpose of this study. As a result of this research from the repertoire, 6 folk songs with 5/8, 7/8, 8/8, 9/8, 10/8 and 9/16 scale numbers with irregular meters were chosen based on rhythmical and modal differences. In the study, the rhythm patterns of the 6 folk songs were determined; the usage frequencies were detected and shown with a table.

Key words: Folk songs, irregular meters, music education.

Introduction

Folk music is a type of music which has an anonymous composer and it expresses the emotions and thoughts of the public. In this respect, "Folk music reflects the public needs and is one of the indispensable important components of culture" (Sümbüllü, 2006). In addition, "Traditional Turkish Folk Music is a type of music which carries the national properties within via its own unique instruments, performance and singing attitudes, forms and a wide repertoire, and is formed together with other public science disciplines and union of local music (Coşkun cited in Sümbüllü, 2006:6).

Büyükyıldız (2009) defines folk music as: "the traditional music that reflects the common emotions and feelings of the public, performed, created –composed- by folk artists whom have always existed in public, and arrived to the present with changes".

Traditional Turkish Folk Music is a synthesizer due to the fact that not only it contains the music of Turks that live in Turkey, but also of other civilizations in Asia and Europe. Besides, the rhythm structures with various and highly rich time signature increases the importance of folk music (Sarısözen, 1962).

Besides its many other specialties, Turkish music reflects the richness of its cultural heritage with its different and various rhythmic structure. The "usul" in Turkish music are diversified via different rhythmic content, weak-strong timing order and ordering/grouping combinations" (Öner, 2011). The concept of measure in Turkish music is usually expressed with the word *usul*. *Usul* is used as a general term which ensures the "organization of time" in music in Anatolia and surrounding cultures. In practice, *usul* organizes the time dimension in traditional music, in Western means it contains four different concepts and fulfills the duties on this respect. *Usul*, with its traditional structure, in Western means, contains Rhythm Structure, Tempo (speed), Measure and Form functions" (Öztürk, 2005). There are differences in *usul* in two types of Turkish Music which are Traditional Turkish Art Music and Traditional Turkish Folk Music. In Traditional Turkish Art Music *usul* expresses the weak-strong time order; whereas in Traditional Turkish Folk Music, it states the order/grouping of the rhythm groups that are related to time signature.

In Traditional Turkish Art Music, the *usul* that belongs to the same time signature are named differently due to the different order/grouping; in Traditional Turkish Folk Music the grouping does not change the *usul*'s name if the time signature is the same.

The *usul* or time signature in Turkish Folk Music is diverged as Simple, Composite, and "Aksak" meters. Simple meters are two, three and four-time meters and their ternary forms. Composite meters are formed by the combination of simple meters.

Aksak meters contain double and ternary units together (Sun, 1997). Feridun Darbaz (1973) defines aksak meters as "the meters that are formed via combinations of at least two meters that are Simple and Composite in various numbers and forms". 5/8, 7/8, and 8/8 meters are examples of aksak meters. The elaborateness in the double and ternary arrays of aksak meters reflects rhythmic properties that can catch the attention of the whole world (Sarısözen, 1962: 54).

Folk music has an important role in music education. The teaching methods and books in music education are based on folk music, not only in our country but in many other countries. Folk songs are a part of the music education in schools due to national and educational reasons (Yönetken cited in Türkmen, 2006).

With an analysis, it can be seen that the music education books in our country contain many folk songs. In the constructive approach of the present which has an educational understanding of known to unknown, local to international and from traditional to universal, the music that is a part of students' life should also be a part of the music education. With this understanding, the folk music is not only used in general music education, but also in amateur and professional music education.

Problem Statement

Based on these ideas, in order to get to know the folk songs better, the problem statement of this study is defined as: "What are the rhythmic properties of the folk songs with *aksak* rhythms used in music education?" This study aims to explain the rhythmic properties of the folk songs that can be used in music education, which are chosen from the TRT Traditional Turkish Folk Music repertoire. Detecting the rhythmic properties of folk songs, increase of knowhow of Turkish music globally enhances the importance of the study.

This study is restrained with the Traditional Turkish Folk Songs with *aksak* rhythms, which are found in Turkish Radio Television Foundation (TRT) repertoire, based on the problem statement of this study.

Method

This study makes document analysis by using the literature review method. The literature review method "can be defined as making use of the resources that were published - open for access- as results of other studies performed for various purposes" (Ural, Kılıç, 2013:65).

In this study, six folk songs with 5/8, 7/8, 8/8, 9/8, 10/8 and 9/16 measures, chosen from the TRT Turkish Folk Music repertoire according to their lyrics and time signatures, were analyzed based on rhythmic form varieties, *makamsal* (modal) and regional differences. The time signatures of the folk songs chosen for this study were stated and their rhythmic properties were explained.

Results

The results of this study were obtained via analysis of the folk songs that were chosen from the TRT Repertoire. As seen in Table 1, "Ne Ağlarsın Benim Zülfü Siyahım", "Kırcalı İle Arda Arası (Deryalar)", "Boz Tepenin Başında", "İzmir'in Kavakları", "Çayda Çıra Yanıyor" and "Yayla Yollarında Kaldım Yalınız" folk songs were chosen and their rhythmic properties were detected.

Name of the Folk Song	Time Signature of the folk song	Region of the folk song	The person that compiled and Notated of the folk song	The resource of the folk song	The <i>makam</i> of the folk song
Ne Ağlarsın Benim Zülfü Siyahım	5/8	Erzincan	Mine Yalçın	Aşık Daimi	Hüseyni
Kırcalı ile Arda Arası (Deryalar)	7/8	Rumeli	Mehmet Özbek	Arif Şentürk	Çargâh
Boz Tepenin Başında	8/8	Ordu	Ahmet Yamacı	Muhsin Tercan	Hüseyni
İzmir'in Kavakları	9/8	İzmir	Muzaffer Sarısözen	Ekrem Güyer	Segâh
Çayda Çıra Yanıyor	10/8	Elazığ	Muzaffer Sarısözen	Şükrü Tanaydın/ Sıtkı Demirci	Segâh
Yayla Yollarında Kaldım Yalınız	9/16	Fethiye	Muzaffer Sarısözen	Mustafa Coşkun	Hüseyni

Table 1. The Properties of the Chosen Folk Songs

5/8 time signatures are composites of 2 and 3-time (Özkan, 2014; Sarısözen, 1962). Although, in general the folk songs in 2+3 form exist in which the 2-time is at the beginning and 3-time is at the end, there are also 3+2 form folk songs in which 3-time is at the beginning and 2-time is at the end. This pattern is named as "Turk Aksak" in Turkish Music (Özkan, 2014:619). The "Ne Ağlarsın Benim Zülfü Siyahım" folk song is an example of 2+3 form with a 5/8 aksak time signature.

No	Rhythm Pattern	Frequency of Rhythm Pattern Use	%
1	, , , , , , ,	1	3,334
2		8	26,666
3]]]	8	26,666
4	והוהו	3	10
5	л "	2	6,667
6	رممر	2	6,667
7	J. J	4	13,333
8	ָר וּה וּ,	2	6,667
Total		30	100

Table 2. The Rhythm Patterns that Exist in "Ne Ağlarsın Benim Zülfü Siyahım" Folk Song The "Ne Ağlarsın Benim Zülfü Siyahım" folk song consists of 30 measures and has 8 different rhythm patterns. The rhythm patterns consist of quarter, eighth note, sixteenth note and dotted eighth note values. The rhythm patterns that were used most frequently are second and third rhythm patterns which exist in the table with a ratio of %26,666.

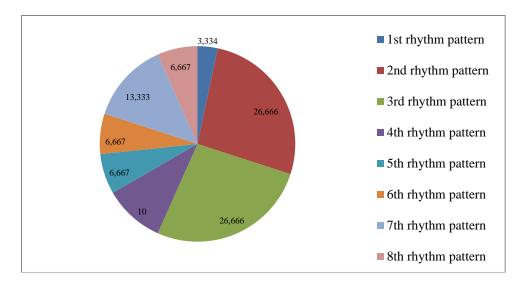


Figure 1: The Usage Frequencies of the Rhythm Patterns in the "Ne Ağlarsın Benim Zülfü Siyahım" Folk Song The 7/8 time signatures consists of the composite of two 2-time and one 3-time. The 7/8 time signature which has 3 strokes with 7-times, has three different forms due to the change of the 3-time stroke. These three forms are 3+2+2 "Devr-i Hindi" in which the trilogy is at the beginning, 2+3+2 form where the trilogy is in the middle and the 2+2+3 "Devr-i Turan" form in which the trilogy is in the end.

When the folk songs in Turkish Folk Music are analyzed for the 7/8 time signature, it can be seen that patterns in which the trilogy is at the beginning and end are used. In Trabzon and Rize regions, the folk songs written in 7/8 time signatures can be frequently found. In addition, the 7/8 time signatures are frequently used in the Rumelian folk songs like in the "Kırcalı ile Arda Arası (Deryalar)" folk song. This folk song is an example for the 7/8 time signature of 3+2+2 "Devr-i Hindi" form.

No	Rhythm Pattern	Frequency of Rhythm Pattern Use	%
1	J. J	14	35
2	mn!	4	10
3	J. J.J	6	15
4), n,	2	5
5	n mm	4	10
6		1	2,5
7	תת וחת	1	2,5
8		2	5
9	. 	3	7,5
10	J JJJ JJ.	1	2,5
11	חת ע	1	2,5
12	תהת נ	1	2,5
Total		40	100

Table 3. The Rhythm Patterns that Exist in "Kırcalı İle Arda Arası (Deryalar)" Folk Song

"Kırcalı ile Arda Arası (Deryalar)" folk song consists of 40 measures and 12 different rhythm patterns are used in this song. As seen in Table 3, the first rhythm pattern is used most frequently and its frequency is 35% with 14 measures. In the rhythm patterns used in the folk song, quarter, eighth note, sixteenth note, demisemi-quaver, dotter quarter and dotter eighth note values are found.

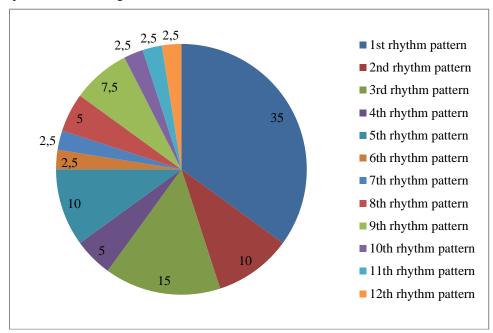


Figure 2: The Usage Frequencies of the Rhythm Patterns in the "Kırcalı ile Arda Arası (Deryalar)" Folk Song

The 8/8 time signature with a 3 stroke 8-time, consists of two 3 and one 2-time composite. As in 7/8 time signature, three different rhythm patterns are found in 8/8 time signature which are 2+3+3 where the dual is found in the beginning, 3+2+3 "Müsemmen" where the dual is found in the middle and the 3+3+2 form in which the dual is found in the end. The most frequent pattern is the "Müsemmen" 3+2+3 pattern which is used Turkish Music. "Boz Tepenin Başında" folk song is an example of "Müsemmen" pattern (*usul*) with a 8/8 time signature.

No	Rhythm Pattern	Frequency of Rhythm Pattern Use	0/0
1		10	33,334
2		9	30
3	ן ורתו ו	3	10
4]]].	4	13,333
5		4	13,333
Total		30	100

Table 4. The Rhythm Patterns that Exist in "Boz Tepenin Başında" Folk Song

The 5 different rhythm patterns of "Boz Tepenin Başında" folk song which consists of 30 measures can be seen in Table 4. First rhythm pattern is the most used one among these patterns and the frequency usage is %33,334 with 10 measures. The second rhythm pattern in Table 4 is in the second place in frequency usage inside the folk song with 9 measures. The rhythm patterns have quarter, eighth note, sixteenth note and dotter quarter note values.

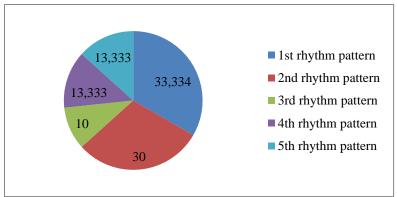


Figure 3: The Usage Frequencies of the Rhythm Patterns in the "Boz Tepenin Başında" Folk Song The 9/8 *aksak* time signature is 9-time and 4 strokes. The forms change based on the locations of the trilogy. The trilogy is found in the 3+2+2+2, 2+3+2+2, 2+2+3+2 form and the most used form is 2+2+2+3. This time signature is used dynamic folk songs and in slow folk songs like "Zeybek". Zeybek is a kind of Turkish folk dans and songs in Aegean region.

The "İzmir'in Kavakları" folk song is found both in TRT Folk Music Repertoire and Art Music Repertoire. Even though the folk song is the same on melody basis, introduction and connection melodies are added to it in the Art Music Repertoire. The parts that are performed but not notated in the folk music are found in the notes in the Art Music Repertoire. Due to this reason, in this study, the notes from the Art Music Repertoire were used. "İzmir'in Kavakları" folk song is an example of 9/8 time signature's 2+2+2+3 form.

No	Rhythm Pattern	Frequency of Rhythm Pattern Use	%
1		2	6,25
2		1	3,125
3	תותתותות י	4	12,5
4		7	21,875
5		4	12,5
6		3	9,375
7	התותות,	3	9,375
8		3	9,375
9].]] 7	2	6,25
10	,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	3,125
11		1	3,125
12	↓ ↓ ↓ .	1	3,125
Total		32	100

Table 5. The Rhythm Patterns that Exist in "İzmir'in Kavakları" Folk Song

The "İzmir'in Kavakları" folk song consists of 32 measures and its most frequently used rhythm pattern is fourth in Table 5. This rhythm pattern consists of 7 measures and its usage of frequency is % 21,875. In the "İzmir'in Kavakları" folk song, the rhythm patterns that contain quarter, eighth note, sixteenth note, dotter quarter and dotter eighth note values are used.

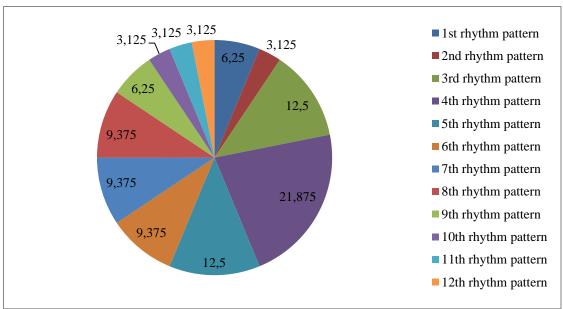


Figure 4: The Usage Frequencies of the Rhythm Patterns in the "İzmir'in Kavakları" Folk Song

The 10/8 time signature (*usul*) has the most enriched forms. 10-time scales are composites of 5-time two composites and have 4 strokes. In basis they have 3+2+2+3 and 2+3+3+2 forms but with differences they become "a colorful rhythm treasure" (Sarısözen, 1962:96).

In most of the folk songs different forms are used together. The "Çayda Çıra Yanıyor" folk song is an example of 10/8 time signature and 3+2+2+3/2+3+2+3 form.

No	Rhythm Pattern	Frequency of Rhythm Pattern Use	%
1	۶ ۲ ۲ ۲ ۲	5	13,157
2	1 1 1 1 1	1	2,631
3	ות וו ו	9	23,684
4	ון והול ו	2	5,264
5		1	2,631
6]	4	10,527
7	ַ וַתּוּנות	4	10,527
8]]] ,	4	10,527
9	, וותעו	8	21,052
Total		38	100

Table 6. The Rhythm Patterns that Exist in "Çayda Çıra Yanıyor" Folk Song

In Table 6, the 9 different rhythm patterns used in the "Çayda Çıra Yanıyor" folk song can be found. The most frequently used rhythm pattern is third and it consists of 9 measures. The folk song consists of rhythm patterns of quarter, eighth note, sixteenth note and dotter quarter.

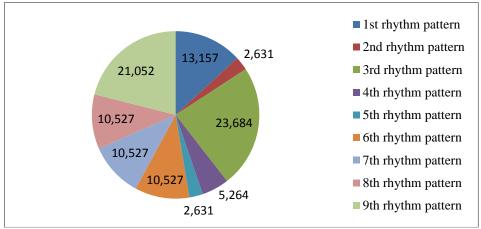


Figure 5: The Usage Frequencies of the Rhythm Patterns in the "Çayda Çıra Yanıyor" Folk Song

The 9/16 time signature differs from the 9/8 based on the fact that it has 2 strokes, not 4. Despite that the trilogy group is seen at the end in the Turkish Folk Music, different forms also exist. "Yayla Yollarında Kaldım Yalınız" folk song is an example for 9/16 time signature number.

No	Rhythm Pattern	Frequency of Rhythm Pattern Use	%
1	ו, ו	5	20,833
2	ו ת ת ת ה	10	41,666
3	, ,,,, ,,,,	1	4,167
4		1	4,167
5	ווו ו נית נ	1	4,167
6	רת ננת	1	4,167
7		2	8,332
8	, , , ,	1	4,167
9		1	4,167
10		1	4,167
Total		24	100

Table 7. The Rhythm Patterns that Exist in "Yayla Yollarında Kaldım Yalınız" Folk Song

[&]quot;Yayla Yollarında Kaldım Yalınız" folk song consists of 24 measures and has 10 different rhythm patterns. The pattern that is found most frequently in the folk song is second with 10 measures and % 41,666 ratio in Table 7. The rhythm patterns contain eighth note, sixteenth note, demisemi-quaver, and dotter eighth.

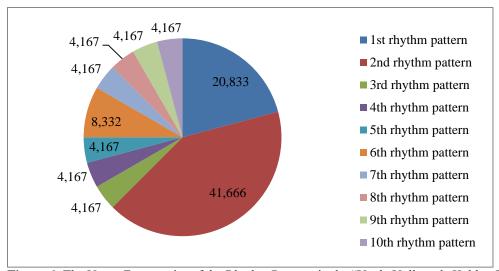


Figure 6: The Usage Frequencies of the Rhythm Patterns in the "Yayla Yollarında Kaldım Yalınız" Folk Song

Conclusion

In this study, six *aksak* meter folk songs from the Traditional Turkish Folk Music were analyzed based on their *usul* and rhythmic properties.

Among the six chosen folk songs, there are at least 5 at most 12 rhythm patterns. In these rhythm patterns quarter, eighth note, sixteenth note, demisemi-quaver, dotter quarter and dotter eighth note values exist. The rhythm patterns that exist the most among the chosen folk songs can be seen in Table 8.

Name of the Folk Song	Rhythm Pattern	Frequency of Rhythm Pattern Use
		8/30
Ne Ağlarsın Benim Zülfü Siyahım]]	8/30
Kırcalı İle Arda Arası (Deryalar)	j, j j	14/40
Boz Tepenin Başında]]]]	10/30
İzmir'in Kavakları		7/32
Çayda Çıra Yanıyor	ות ול ו	9/38
Yayla Yollarında Kaldım Yalınız		10/24

Table 8. The Rhythm Patterns that Exist the most among the Chosen Folk Songs

When Table 8 is analyzed, it is seen that the "Ne Ağlarsın Benim Zülfü Siyahım" folk song, which consists of 30 measures, the two most frequently used rhythm patterns have frequency values of 8 measures. The 40 measures "Kırcalı ile Arda Arası (Deryalar)" folk song has a most frequent used rhythm pattern with 14 measures. In the "Boz Tepenin Başında" folk song, which has 30 measures, the most frequent rhythm pattern has 10 measures. "İzmir'in Kavakları" folk song consists of 32 measures and the frequency of the most used rhythm pattern is 7. As for the "Çayda Çıra Yanıyor" folk song, the rhythm pattern located in Table 6 No. 3 has 9 measures usage frequency in 38 measures. The "Yayla Yollarında Kaldım Yalınız" folk song, which consists of 24 measures, the most frequently used rhythm pattern has 10 measures usage frequency.

When the chosen folk songs are analyzed, it can be seen that the longest note values is dotter quarter. Half-note and longer duration note values are rarely used in folk songs. The reason for this is to provide ease in singing performance in folk songs.

Brief Biography of Autors

Assoc. Prof. Ferda GÜRGAN ÖZTÜRK

Ferda Gürgan Öztürk was born in Ankara. She graduated from Gazi University Gazi Education Faculty Department of Music Education. In the same year, she started doing her Master's degree in Gazi University Institute of Science. Throughout her education she studied violin with Prof. Saadettin ÜNAL, singing with Assoc. Prof. Keriman DAVRAN, and composition with Veli MUHATOV. She gave concerts with the folk music choir that she established. She attended national and international congresses and symposiums. She obtained a proficiency in art degree from Gazi University Institute of Science and became assistant professor. She attended domestic concerts with Gazi University Academic Chamber Orchestra. Ferda Gürgan Öztürk, whom is an associate professor in Gazi University Gazi Education Faculty Department of Music Education, is currently working as an instructor and teaches "violin" and "singing" courses.

Ajda ŞENOL SAKİN

Ajda Şenol Sakin was born in 1984 in Bulgaria. She began flute lessons at Izmir State Conservatory with Çiler Akıncı in 1998. She graduated from there in 2005. She did Master in Bursa Uludağ University. She is giving lots of concerts as a performer in Turkey, Italy and Hungary. She made presentation in International Conferances. She was a Erasmus student in Campobasso and studied flute with Antonio Castaldo. She is PhD student in Gazi University and working as a Research Assistant in Uludag University.

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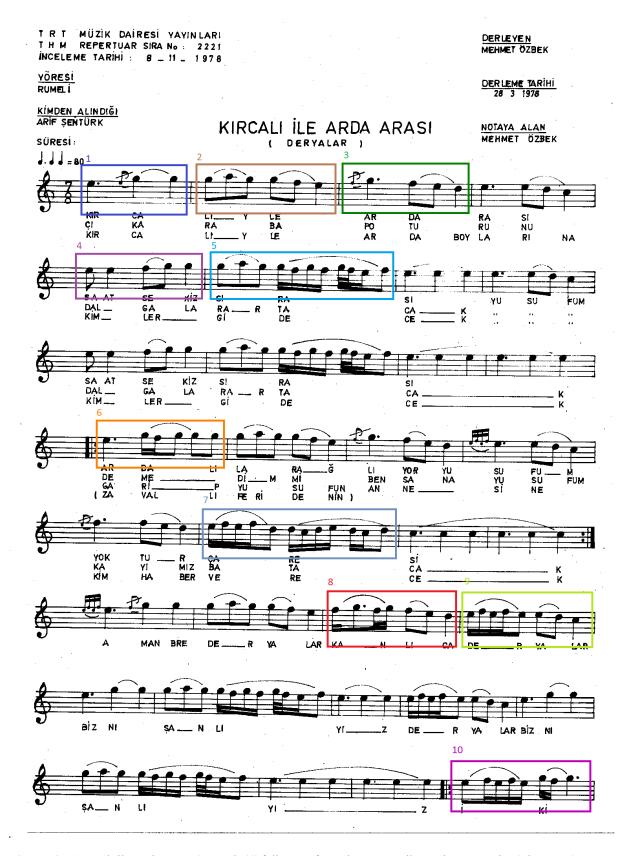
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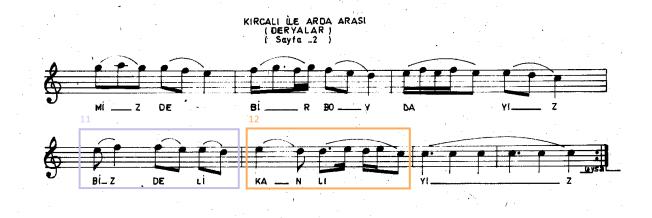
Appendix



Picture 1. "Ne Ağlarsın Benim Zülfü Siyahım" folk song from the TRT Folk Music Repertoire.



Picture 2. "Kırcalı ile Arda Arası (Deryalar)" folk song from the TRT Folk Music Repertoire (First page).



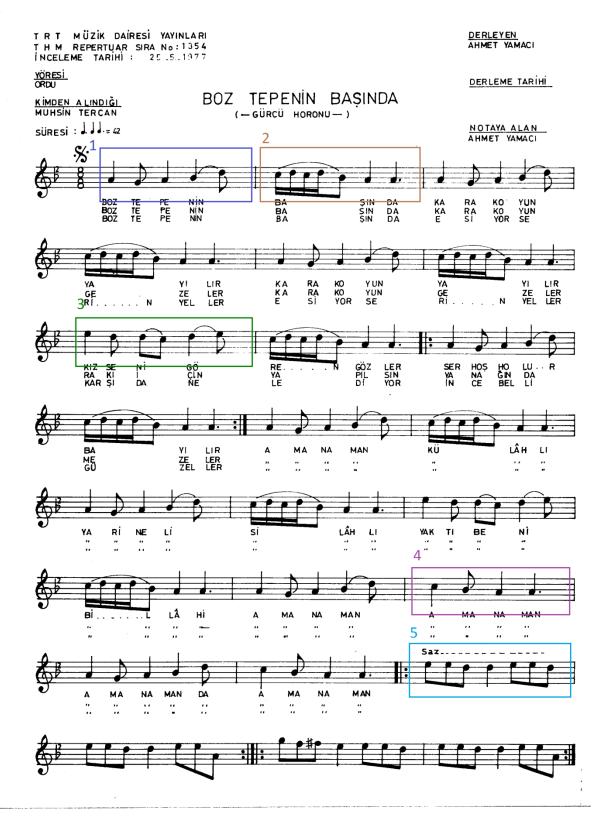
KIRCALIYLE ARDA ARASI SAAT SEKIZ SIRASI (YUSUFUM SAAT SEKIZ SIRASI) ARDALILAR AĞLIYOR (YUSUFUM) YOKTUR ÇARESI AMAN BRE DERYALAR KANLICA DERYA

Bağlantı. AMAN BRE DERYALAR KANLICA DERYALAR
BİZ NİŞANLIYIZ
İKİMIZ DE BİR BOYDAYIZ
BİZ DELİKANLIYIZ

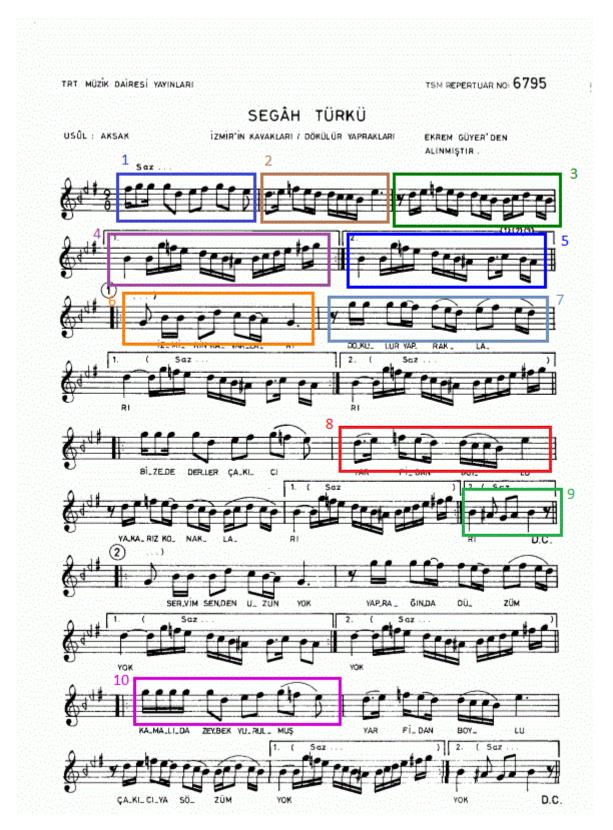
CIKAR ABA POTURUNU DALGALAR ARTACAK DEMEDIM MI BEN SANA KAY(ĞIMIZ BATACAK BOĞI ONTI: KIRCALİYLE ARDA BOYLARINA KİMLER GİDECEK GARIP YUSUFUN ANNESLNE KİM HABER VERECEK (ZAYALLI FERÎDENÎN ANNESÎNE KÎM HABER VERECEK) BOĞLONÎL

KIRCALI (KIRCA ALI) Bulgar sınırına yakın Türklerle meskün köy.

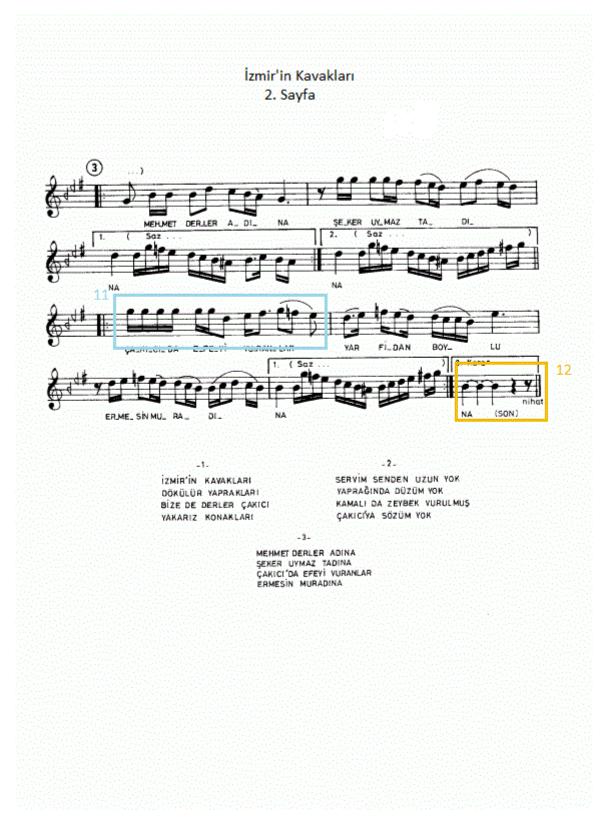
Picture 3. "Kırcalı ile Arda Arası (Deryalar)" folk song from the TRT Folk Music Repertoire (Second page).



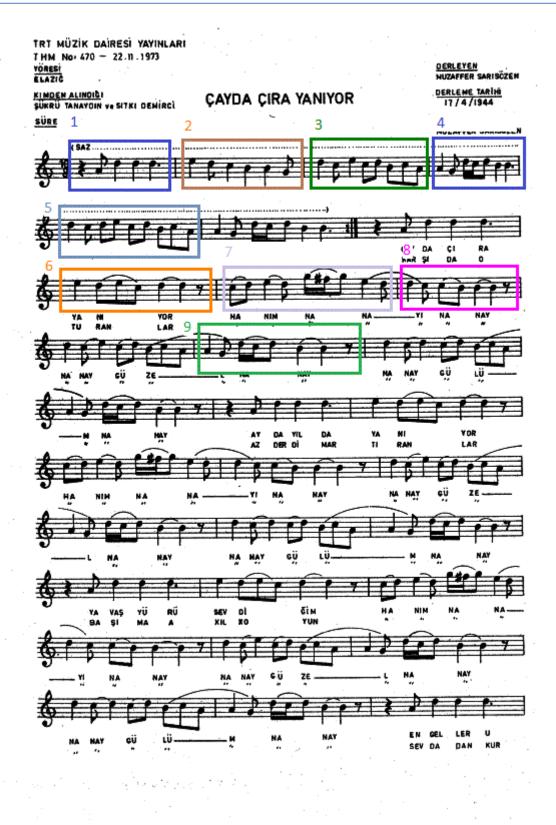
Picture 4. "Boz Tepenin Başında" folk song from the TRT Folk Music Repertoire.



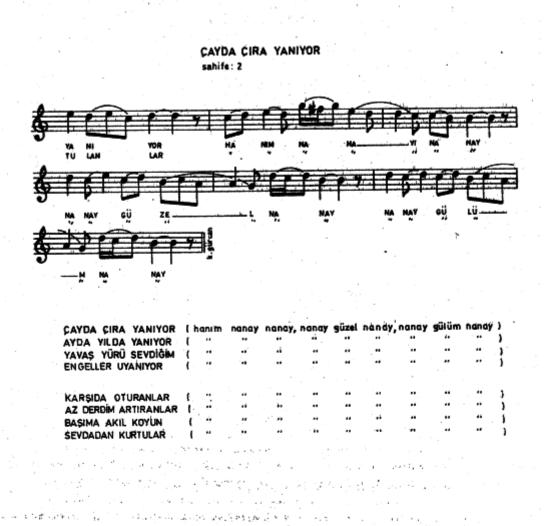
Picture 5. "İzmir'in Kavakları" folk song from the TRT Art Music Repertoire (First page).



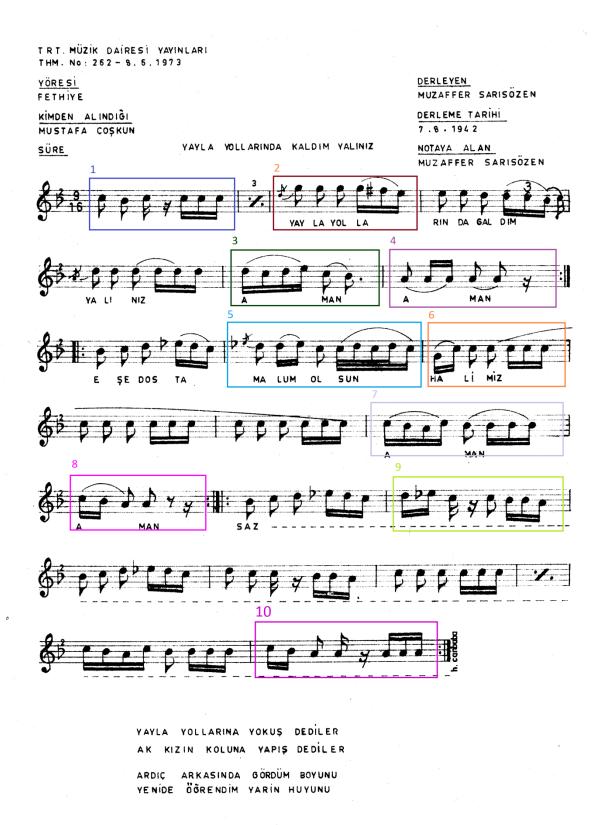
Picture 6. "İzmir'in Kavakları" folk song from the TRT Art Music Repertoire (Second page).



Picture 7. "Çayda Çıra Yanıyor" folk song from the TRT Folk Music Repertoire (First page).



Picture 8. "Çayda Çıra Yanıyor" folk song from the TRT Folk Music Repertoire (Second page).



Picture 8. "Yayla Yollarında Kaldım Yalınız" folk song from the TRT Folk Music Repertoire.